

September 13, 2016

Monte Peake
Civil & Environmental Consultants
4848 Park 370 Blvd.
Suite F
Hazelwood, MO 63042
TEL: (314) 656-4566
FAX: (314) 656-4595



RE: Huster Road Substation 120-678

WorkOrder: 16090421

Dear Monte Peake:

TEKLAB, INC received 12 samples on 9/7/2016 3:20:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. Unless otherwise documented within this report, Teklab Inc. analyzes samples utilizing the most current methods in compliance with 40CFR. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,



Shelly A. Hennessy
Project Manager
(618)344-1004 ex 36
SHennessy@teklabinc.com

Client: Civil & Environmental Consultants

Work Order: 16090421

Client Project: Huster Road Substation 120-678

Report Date: 13-Sep-16

This reporting package includes the following:

Cover Letter	1
Report Contents	2
Definitions	3
Case Narrative	4
Laboratory Results	5
Sample Summary	41
Dates Report	42
Quality Control Results	43
Receiving Check List	61
Chain of Custody	Appended

Definitions

<http://www.teklabinc.com/>

Client: Civil & Environmental Consultants

Work Order: 16090421

Client Project: Huster Road Substation 120-678

Report Date: 13-Sep-16

Abbr Definition

- CCV Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
- DF Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.
- DNI Did not ignite
- DUP Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot.
- ICV Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
- IDPH IL Dept. of Public Health
- LCS Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. The acceptable recovery range is in the QC Package (provided upon request).
- LCSD Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
- MLBK Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.
- MDL Method detection limit means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero.
- MS Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).
- MSD Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
- MW Molecular weight
- ND Not Detected at the Reporting Limit
- NELAP NELAP Accredited
- PQL Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in the QC Package (provided upon request).
- RL The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
- RPD Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).
- SPK The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.
- Surrogate Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.
- TIC Tentatively identified compound: Analytes tentatively identified in the sample by using a library search. Only results not in the calibration standard will be reported as tentatively identified compounds. Results for tentatively identified compounds that are not present in the calibration standard, but are assigned a specific chemical name based upon the library search, are calculated using total peak areas from reconstructed ion chromatograms and a response factor of one. The nearest Internal Standard is used for the calculation. The results of any TICs must be considered estimated, and are flagged with a "T". If the estimated result is above the calibration range it is flagged "ET"
- TNTC Too numerous to count (> 200 CFU)

Qualifiers

- | | |
|--|--|
| # - Unknown hydrocarbon | B - Analyte detected in associated Method Blank |
| E - Value above quantitation range | H - Holding times exceeded |
| I - Associated internal standard was outside method criteria | M - Manual Integration used to determine area response |
| ND - Not Detected at the Reporting Limit | R - RPD outside accepted recovery limits |
| S - Spike Recovery outside recovery limits | T - TIC(Tentatively identified compound) |
| X - Value exceeds Maximum Contaminant Level | |



Case Narrative

<http://www.teklabinc.com/>

Client: Civil & Environmental Consultants

Work Order: 16090421

Client Project: Huster Road Substation 120-678

Report Date: 13-Sep-16

Cooler Receipt Temp: 13.62 °C

Locations and Accreditations

	Collinsville	Springfield	Kansas City	Collinsville Air
Address	5445 Horseshoe Lake Road Collinsville, IL 62234-7425	3920 Pintail Dr Springfield, IL 62711-9415	8421 Nieman Road Lenexa, KS 66214	5445 Horseshoe Lake Road Collinsville, IL 62234-7425
Phone	(618) 344-1004	(217) 698-1004	(913) 541-1998	(618) 344-1004
Fax	(618) 344-1005	(217) 698-1005	(913) 541-1998	(618) 344-1005
Email	jhriley@teklabinc.com	KKlostermann@teklabinc.com	dthompson@teklabinc.com	EHurley@teklabinc.com

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2017	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2017	Collinsville
Louisiana	LDEQ	166493	NELAP	6/30/2017	Collinsville
Louisiana	LDEQ	166578	NELAP	6/30/2017	Collinsville
Texas	TCEQ	T104704515-12-1	NELAP	7/31/2017	Collinsville
Arkansas	ADEQ	88-0966		3/14/2017	Collinsville
Illinois	IDPH	17584		5/31/2017	Collinsville
Kentucky	KDEP	98006		12/31/2016	Collinsville
Kentucky	UST	0073		1/31/2017	Collinsville
Missouri	MDNR	00930		5/31/2017	Collinsville
Missouri	MDNR	930		1/31/2017	Collinsville
Oklahoma	ODEQ	9978		8/31/2017	Collinsville

Client: Civil & Environmental Consultants
Client Project: Huster Road Substation 120-678

Work Order: 16090421
Report Date: 13-Sep-16

Lab ID: 16090421-001

Client Sample ID: MW-9

Matrix: GROUNDWATER

Collection Date: 09/07/2016 8:19

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1,1,1,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	09/12/2016 13:36	122353
1,1,1-Trichloroethane	NELAP	5.0		ND	µg/L	1	09/12/2016 13:36	122353
1,1,2,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	09/12/2016 13:36	122353
1,1,2-Trichloro-1,2,2-trifluoroethane		20.0		ND	µg/L	1	09/12/2016 13:36	122353
1,1,2-Trichloroethane	NELAP	5.0		ND	µg/L	1	09/12/2016 13:36	122353
1,1-Dichloro-2-propanone		50.0		ND	µg/L	1	09/12/2016 13:36	122353
1,1-Dichloroethane	NELAP	5.0		ND	µg/L	1	09/12/2016 13:36	122353
1,1-Dichloroethene	NELAP	5.0		ND	µg/L	1	09/12/2016 13:36	122353
1,1-Dichloropropene	NELAP	5.0		ND	µg/L	1	09/12/2016 13:36	122353
1,2,3-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 13:36	122353
1,2,3-Trichloropropane	NELAP	5.0		ND	µg/L	1	09/12/2016 13:36	122353
1,2,3-Trimethylbenzene		5.0		ND	µg/L	1	09/12/2016 13:36	122353
1,2,4-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 13:36	122353
1,2,4-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 13:36	122353
1,2-Dibromo-3-chloropropane	NELAP	5.0		ND	µg/L	1	09/12/2016 13:36	122353
1,2-Dibromoethane	NELAP	5.0		ND	µg/L	1	09/12/2016 13:36	122353
1,2-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 13:36	122353
1,2-Dichloroethane	NELAP	5.0		ND	µg/L	1	09/12/2016 13:36	122353
1,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	09/12/2016 13:36	122353
1,3,5-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 13:36	122353
1,3-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 13:36	122353
1,3-Dichloropropane	NELAP	5.0		ND	µg/L	1	09/12/2016 13:36	122353
1,4-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 13:36	122353
1-Chlorobutane	NELAP	5.0		ND	µg/L	1	09/12/2016 13:36	122353
2,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	09/12/2016 13:36	122353
2-Butanone	NELAP	25.0		ND	µg/L	1	09/12/2016 13:36	122353
2-Chloroethyl vinyl ether	NELAP	20.0		ND	µg/L	1	09/12/2016 13:36	122353
2-Chlorotoluene	NELAP	5.0		ND	µg/L	1	09/12/2016 13:36	122353
2-Hexanone	NELAP	25.0		ND	µg/L	1	09/12/2016 13:36	122353
2-Nitropropane	NELAP	50.0		ND	µg/L	1	09/12/2016 13:36	122353
4-Chlorotoluene	NELAP	5.0		ND	µg/L	1	09/12/2016 13:36	122353
4-Methyl-2-pentanone	NELAP	25.0		ND	µg/L	1	09/12/2016 13:36	122353
Acetone	NELAP	25.0		ND	µg/L	1	09/12/2016 13:36	122353
Acetonitrile	NELAP	50.0		ND	µg/L	1	09/12/2016 13:36	122353
Acrolein	NELAP	100		ND	µg/L	1	09/12/2016 13:36	122353
Acrylonitrile	NELAP	5.0		ND	µg/L	1	09/12/2016 13:36	122353
Allyl chloride	NELAP	5.0		ND	µg/L	1	09/12/2016 13:36	122353
Benzene	NELAP	2.0		ND	µg/L	1	09/12/2016 13:36	122353
Bromobenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 13:36	122353
Bromochloromethane	NELAP	5.0		ND	µg/L	1	09/12/2016 13:36	122353
Bromodichloromethane	NELAP	5.0		ND	µg/L	1	09/12/2016 13:36	122353
Bromoform	NELAP	5.0		ND	µg/L	1	09/12/2016 13:36	122353
Bromomethane	NELAP	10.0		ND	µg/L	1	09/12/2016 13:36	122353
Carbon disulfide	NELAP	5.0		ND	µg/L	1	09/12/2016 13:36	122353
Carbon tetrachloride	NELAP	5.0		ND	µg/L	1	09/12/2016 13:36	122353
Chlorobenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 13:36	122353
Chloroethane	NELAP	10.0		ND	µg/L	1	09/12/2016 13:36	122353

Laboratory Results

<http://www.teklabinc.com/>

Client: Civil & Environmental Consultants
Client Project: Huster Road Substation 120-678

Work Order: 16090421
Report Date: 13-Sep-16

Lab ID: 16090421-001

Client Sample ID: MW-9

Matrix: GROUNDWATER

Collection Date: 09/07/2016 8:19

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Chloroform	NELAP	5.0		ND	µg/L	1	09/12/2016 13:36	122353
Chloromethane	NELAP	10.0		ND	µg/L	1	09/12/2016 13:36	122353
Chloroprene	NELAP	20.0		ND	µg/L	1	09/12/2016 13:36	122353
cis-1,2-Dichloroethene	NELAP	5.0		ND	µg/L	1	09/12/2016 13:36	122353
cis-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	09/12/2016 13:36	122353
cis-1,4-Dichloro-2-butene	NELAP	5.0		ND	µg/L	1	09/12/2016 13:36	122353
Cyclohexanone		50.0		ND	µg/L	1	09/12/2016 13:36	122353
Dibromochloromethane	NELAP	5.0		ND	µg/L	1	09/12/2016 13:36	122353
Dibromomethane	NELAP	5.0		ND	µg/L	1	09/12/2016 13:36	122353
Dichlorodifluoromethane	NELAP	10.0		ND	µg/L	1	09/12/2016 13:36	122353
Ethyl acetate	NELAP	10.0		ND	µg/L	1	09/12/2016 13:36	122353
Ethyl ether	NELAP	5.0		ND	µg/L	1	09/12/2016 13:36	122353
Ethyl methacrylate	NELAP	5.0		ND	µg/L	1	09/12/2016 13:36	122353
Ethylbenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 13:36	122353
Hexachlorobutadiene	NELAP	5.0		ND	µg/L	1	09/12/2016 13:36	122353
Hexachloroethane	NELAP	10.0		ND	µg/L	1	09/12/2016 13:36	122353
Iodomethane	NELAP	5.0		ND	µg/L	1	09/12/2016 13:36	122353
Isopropylbenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 13:36	122353
m,p-Xylenes	NELAP	5.0		ND	µg/L	1	09/12/2016 13:36	122353
Methacrylonitrile	NELAP	10.0		ND	µg/L	1	09/12/2016 13:36	122353
Methyl Methacrylate	NELAP	5.0		ND	µg/L	1	09/12/2016 13:36	122353
Methyl tert-butyl ether	NELAP	2.0		ND	µg/L	1	09/12/2016 13:36	122353
Methylacrylate	NELAP	10.0		ND	µg/L	1	09/12/2016 13:36	122353
Methylene chloride	NELAP	5.0		ND	µg/L	1	09/12/2016 13:36	122353
Naphthalene	NELAP	10.0		ND	µg/L	1	09/12/2016 13:36	122353
n-Butyl acetate		25.0		ND	µg/L	1	09/12/2016 13:36	122353
n-Butylbenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 13:36	122353
n-Heptane		20.0		ND	µg/L	1	09/12/2016 13:36	122353
n-Hexane		20.0		ND	µg/L	1	09/12/2016 13:36	122353
Nitrobenzene	NELAP	50.0		ND	µg/L	1	09/12/2016 13:36	122353
n-Propylbenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 13:36	122353
o-Xylene	NELAP	5.0		ND	µg/L	1	09/12/2016 13:36	122353
Pentachloroethane	NELAP	20.0		ND	µg/L	1	09/12/2016 13:36	122353
p-Isopropyltoluene	NELAP	5.0		ND	µg/L	1	09/12/2016 13:36	122353
Propionitrile	NELAP	50.0		ND	µg/L	1	09/12/2016 13:36	122353
sec-Butylbenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 13:36	122353
Styrene	NELAP	5.0		ND	µg/L	1	09/12/2016 13:36	122353
tert-Butylbenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 13:36	122353
Tetrachloroethene	NELAP	5.0		ND	µg/L	1	09/12/2016 13:36	122353
Tetrahydrofuran	NELAP	20.0		ND	µg/L	1	09/12/2016 13:36	122353
Toluene	NELAP	5.0		ND	µg/L	1	09/12/2016 13:36	122353
trans-1,2-Dichloroethene	NELAP	5.0		ND	µg/L	1	09/12/2016 13:36	122353
trans-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	09/12/2016 13:36	122353
trans-1,4-Dichloro-2-butene	NELAP	10.0		ND	µg/L	1	09/12/2016 13:36	122353
Trichloroethene	NELAP	5.0		ND	µg/L	1	09/12/2016 13:36	122353
Trichlorofluoromethane	NELAP	5.0		ND	µg/L	1	09/12/2016 13:36	122353
Vinyl acetate	NELAP	10.0		ND	µg/L	1	09/12/2016 13:36	122353

Laboratory Results

<http://www.teklabinc.com/>

Client: Civil & Environmental Consultants

Work Order: 16090421

Client Project: Huster Road Substation 120-678

Report Date: 13-Sep-16

Lab ID: 16090421-001

Client Sample ID: MW-9

Matrix: GROUNDWATER

Collection Date: 09/07/2016 8:19

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Vinyl chloride	NELAP	2.0		ND	µg/L	1	09/12/2016 13:36	122353
Surr: 1,2-Dichloroethane-d4		74.7-129		105.0	%REC	1	09/12/2016 13:36	122353
Surr: 4-Bromofluorobenzene		86-119		100.3	%REC	1	09/12/2016 13:36	122353
Surr: Dibromofluoromethane		81.7-123		94.3	%REC	1	09/12/2016 13:36	122353
Surr: Toluene-d8		84.3-114		98.5	%REC	1	09/12/2016 13:36	122353

LCS and LCSD recovered outside upper QC limits for bromomethane and iodomethane. Sample results are below reporting limit. Data is reportable per 2009 TNI Standard (Volume1, Module 4, section 1.7.4.2).

Client: Civil & Environmental Consultants
Client Project: Huster Road Substation 120-678

Work Order: 16090421
Report Date: 13-Sep-16

Lab ID: 16090421-002

Client Sample ID: MW-14

Matrix: GROUNDWATER

Collection Date: 09/07/2016 8:34

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1,1,1,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	09/12/2016 14:02	122353
1,1,1-Trichloroethane	NELAP	5.0		ND	µg/L	1	09/12/2016 14:02	122353
1,1,2,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	09/12/2016 14:02	122353
1,1,2-Trichloro-1,2,2-trifluoroethane		20.0		ND	µg/L	1	09/12/2016 14:02	122353
1,1,2-Trichloroethane	NELAP	5.0		ND	µg/L	1	09/12/2016 14:02	122353
1,1-Dichloro-2-propanone		50.0		ND	µg/L	1	09/12/2016 14:02	122353
1,1-Dichloroethane	NELAP	5.0		ND	µg/L	1	09/12/2016 14:02	122353
1,1-Dichloroethene	NELAP	5.0		ND	µg/L	1	09/12/2016 14:02	122353
1,1-Dichloropropene	NELAP	5.0		ND	µg/L	1	09/12/2016 14:02	122353
1,2,3-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 14:02	122353
1,2,3-Trichloropropane	NELAP	5.0		ND	µg/L	1	09/12/2016 14:02	122353
1,2,3-Trimethylbenzene		5.0		ND	µg/L	1	09/12/2016 14:02	122353
1,2,4-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 14:02	122353
1,2,4-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 14:02	122353
1,2-Dibromo-3-chloropropane	NELAP	5.0		ND	µg/L	1	09/12/2016 14:02	122353
1,2-Dibromoethane	NELAP	5.0		ND	µg/L	1	09/12/2016 14:02	122353
1,2-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 14:02	122353
1,2-Dichloroethane	NELAP	5.0		ND	µg/L	1	09/12/2016 14:02	122353
1,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	09/12/2016 14:02	122353
1,3,5-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 14:02	122353
1,3-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 14:02	122353
1,3-Dichloropropane	NELAP	5.0		ND	µg/L	1	09/12/2016 14:02	122353
1,4-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 14:02	122353
1-Chlorobutane	NELAP	5.0		ND	µg/L	1	09/12/2016 14:02	122353
2,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	09/12/2016 14:02	122353
2-Butanone	NELAP	25.0		ND	µg/L	1	09/12/2016 14:02	122353
2-Chloroethyl vinyl ether	NELAP	20.0		ND	µg/L	1	09/12/2016 14:02	122353
2-Chlorotoluene	NELAP	5.0		ND	µg/L	1	09/12/2016 14:02	122353
2-Hexanone	NELAP	25.0		ND	µg/L	1	09/12/2016 14:02	122353
2-Nitropropane	NELAP	50.0		ND	µg/L	1	09/12/2016 14:02	122353
4-Chlorotoluene	NELAP	5.0		ND	µg/L	1	09/12/2016 14:02	122353
4-Methyl-2-pentanone	NELAP	25.0		ND	µg/L	1	09/12/2016 14:02	122353
Acetone	NELAP	25.0		ND	µg/L	1	09/12/2016 14:02	122353
Acetonitrile	NELAP	50.0		ND	µg/L	1	09/12/2016 14:02	122353
Acrolein	NELAP	100		ND	µg/L	1	09/12/2016 14:02	122353
Acrylonitrile	NELAP	5.0		ND	µg/L	1	09/12/2016 14:02	122353
Allyl chloride	NELAP	5.0		ND	µg/L	1	09/12/2016 14:02	122353
Benzene	NELAP	2.0		ND	µg/L	1	09/12/2016 14:02	122353
Bromobenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 14:02	122353
Bromochloromethane	NELAP	5.0		ND	µg/L	1	09/12/2016 14:02	122353
Bromodichloromethane	NELAP	5.0		ND	µg/L	1	09/12/2016 14:02	122353
Bromoform	NELAP	5.0		ND	µg/L	1	09/12/2016 14:02	122353
Bromomethane	NELAP	10.0		ND	µg/L	1	09/12/2016 14:02	122353
Carbon disulfide	NELAP	5.0		ND	µg/L	1	09/12/2016 14:02	122353
Carbon tetrachloride	NELAP	5.0		ND	µg/L	1	09/12/2016 14:02	122353
Chlorobenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 14:02	122353
Chloroethane	NELAP	10.0		ND	µg/L	1	09/12/2016 14:02	122353

Laboratory Results

<http://www.teklabinc.com/>

Client: Civil & Environmental Consultants
Client Project: Huster Road Substation 120-678

Work Order: 16090421
Report Date: 13-Sep-16

Lab ID: 16090421-002

Client Sample ID: MW-14

Matrix: GROUNDWATER

Collection Date: 09/07/2016 8:34

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Chloroform	NELAP	5.0		ND	µg/L	1	09/12/2016 14:02	122353
Chloromethane	NELAP	10.0		ND	µg/L	1	09/12/2016 14:02	122353
Chloroprene	NELAP	20.0		ND	µg/L	1	09/12/2016 14:02	122353
cis-1,2-Dichloroethene	NELAP	5.0		ND	µg/L	1	09/12/2016 14:02	122353
cis-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	09/12/2016 14:02	122353
cis-1,4-Dichloro-2-butene	NELAP	5.0		ND	µg/L	1	09/12/2016 14:02	122353
Cyclohexanone		50.0		ND	µg/L	1	09/12/2016 14:02	122353
Dibromochloromethane	NELAP	5.0		ND	µg/L	1	09/12/2016 14:02	122353
Dibromomethane	NELAP	5.0		ND	µg/L	1	09/12/2016 14:02	122353
Dichlorodifluoromethane	NELAP	10.0		ND	µg/L	1	09/12/2016 14:02	122353
Ethyl acetate	NELAP	10.0		ND	µg/L	1	09/12/2016 14:02	122353
Ethyl ether	NELAP	5.0		ND	µg/L	1	09/12/2016 14:02	122353
Ethyl methacrylate	NELAP	5.0		ND	µg/L	1	09/12/2016 14:02	122353
Ethylbenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 14:02	122353
Hexachlorobutadiene	NELAP	5.0		ND	µg/L	1	09/12/2016 14:02	122353
Hexachloroethane	NELAP	10.0		ND	µg/L	1	09/12/2016 14:02	122353
Iodomethane	NELAP	5.0		ND	µg/L	1	09/12/2016 14:02	122353
Isopropylbenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 14:02	122353
m,p-Xylenes	NELAP	5.0		ND	µg/L	1	09/12/2016 14:02	122353
Methacrylonitrile	NELAP	10.0		ND	µg/L	1	09/12/2016 14:02	122353
Methyl Methacrylate	NELAP	5.0		ND	µg/L	1	09/12/2016 14:02	122353
Methyl tert-butyl ether	NELAP	2.0		ND	µg/L	1	09/12/2016 14:02	122353
Methylacrylate	NELAP	10.0		ND	µg/L	1	09/12/2016 14:02	122353
Methylene chloride	NELAP	5.0		ND	µg/L	1	09/12/2016 14:02	122353
Naphthalene	NELAP	10.0		ND	µg/L	1	09/12/2016 14:02	122353
n-Butyl acetate		25.0		ND	µg/L	1	09/12/2016 14:02	122353
n-Butylbenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 14:02	122353
n-Heptane		20.0		ND	µg/L	1	09/12/2016 14:02	122353
n-Hexane		20.0		ND	µg/L	1	09/12/2016 14:02	122353
Nitrobenzene	NELAP	50.0		ND	µg/L	1	09/12/2016 14:02	122353
n-Propylbenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 14:02	122353
o-Xylene	NELAP	5.0		ND	µg/L	1	09/12/2016 14:02	122353
Pentachloroethane	NELAP	20.0		ND	µg/L	1	09/12/2016 14:02	122353
p-Isopropyltoluene	NELAP	5.0		ND	µg/L	1	09/12/2016 14:02	122353
Propionitrile	NELAP	50.0		ND	µg/L	1	09/12/2016 14:02	122353
sec-Butylbenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 14:02	122353
Styrene	NELAP	5.0		ND	µg/L	1	09/12/2016 14:02	122353
tert-Butylbenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 14:02	122353
Tetrachloroethene	NELAP	5.0		ND	µg/L	1	09/12/2016 14:02	122353
Tetrahydrofuran	NELAP	20.0		ND	µg/L	1	09/12/2016 14:02	122353
Toluene	NELAP	5.0		ND	µg/L	1	09/12/2016 14:02	122353
trans-1,2-Dichloroethene	NELAP	5.0		ND	µg/L	1	09/12/2016 14:02	122353
trans-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	09/12/2016 14:02	122353
trans-1,4-Dichloro-2-butene	NELAP	10.0		ND	µg/L	1	09/12/2016 14:02	122353
Trichloroethene	NELAP	5.0		ND	µg/L	1	09/12/2016 14:02	122353
Trichlorofluoromethane	NELAP	5.0		ND	µg/L	1	09/12/2016 14:02	122353
Vinyl acetate	NELAP	10.0		ND	µg/L	1	09/12/2016 14:02	122353

Client: Civil & Environmental Consultants

Work Order: 16090421

Client Project: Huster Road Substation 120-678

Report Date: 13-Sep-16

Lab ID: 16090421-002

Client Sample ID: MW-14

Matrix: GROUNDWATER

Collection Date: 09/07/2016 8:34

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Vinyl chloride	NELAP	2.0		ND	µg/L	1	09/12/2016 14:02	122353
Surr: 1,2-Dichloroethane-d4		74.7-129		105.7	%REC	1	09/12/2016 14:02	122353
Surr: 4-Bromofluorobenzene		86-119		102.7	%REC	1	09/12/2016 14:02	122353
Surr: Dibromofluoromethane		81.7-123		93.7	%REC	1	09/12/2016 14:02	122353
Surr: Toluene-d8		84.3-114		98.2	%REC	1	09/12/2016 14:02	122353

LCS and LCSD recovered outside upper QC limits for bromomethane and iodomethane. Sample results are below reporting limit. Data is reportable per 2009 TNI Standard (Volume1, Module 4, section 1.7.4.2).

Client: Civil & Environmental Consultants
Client Project: Huster Road Substation 120-678

Work Order: 16090421
Report Date: 13-Sep-16

Lab ID: 16090421-003

Client Sample ID: MW-13

Matrix: GROUNDWATER

Collection Date: 09/07/2016 8:56

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1,1,1,2-Tetrachloroethane	NELAP	2500		ND	µg/L	500	09/12/2016 14:28	122353
1,1,1-Trichloroethane	NELAP	2500		ND	µg/L	500	09/12/2016 14:28	122353
1,1,2,2-Tetrachloroethane	NELAP	2500		ND	µg/L	500	09/12/2016 14:28	122353
1,1,2-Trichloro-1,2,2-trifluoroethane		10000		ND	µg/L	500	09/12/2016 14:28	122353
1,1,2-Trichloroethane	NELAP	2500		ND	µg/L	500	09/12/2016 14:28	122353
1,1-Dichloro-2-propanone		25000		ND	µg/L	500	09/12/2016 14:28	122353
1,1-Dichloroethane	NELAP	2500		ND	µg/L	500	09/12/2016 14:28	122353
1,1-Dichloroethene	NELAP	2500		ND	µg/L	500	09/12/2016 14:28	122353
1,1-Dichloropropene	NELAP	2500		ND	µg/L	500	09/12/2016 14:28	122353
1,2,3-Trichlorobenzene	NELAP	2500		ND	µg/L	500	09/12/2016 14:28	122353
1,2,3-Trichloropropane	NELAP	2500		ND	µg/L	500	09/12/2016 14:28	122353
1,2,3-Trimethylbenzene		2500		ND	µg/L	500	09/12/2016 14:28	122353
1,2,4-Trichlorobenzene	NELAP	2500		ND	µg/L	500	09/12/2016 14:28	122353
1,2,4-Trimethylbenzene	NELAP	2500		ND	µg/L	500	09/12/2016 14:28	122353
1,2-Dibromo-3-chloropropane	NELAP	2500		ND	µg/L	500	09/12/2016 14:28	122353
1,2-Dibromoethane	NELAP	2500		ND	µg/L	500	09/12/2016 14:28	122353
1,2-Dichlorobenzene	NELAP	2500		ND	µg/L	500	09/12/2016 14:28	122353
1,2-Dichloroethane	NELAP	2500		ND	µg/L	500	09/12/2016 14:28	122353
1,2-Dichloropropane	NELAP	2500		ND	µg/L	500	09/12/2016 14:28	122353
1,3,5-Trimethylbenzene	NELAP	2500		ND	µg/L	500	09/12/2016 14:28	122353
1,3-Dichlorobenzene	NELAP	2500		ND	µg/L	500	09/12/2016 14:28	122353
1,3-Dichloropropane	NELAP	2500		ND	µg/L	500	09/12/2016 14:28	122353
1,4-Dichlorobenzene	NELAP	2500		ND	µg/L	500	09/12/2016 14:28	122353
1-Chlorobutane	NELAP	2500		ND	µg/L	500	09/12/2016 14:28	122353
2,2-Dichloropropane	NELAP	2500		ND	µg/L	500	09/12/2016 14:28	122353
2-Butanone	NELAP	12500		ND	µg/L	500	09/12/2016 14:28	122353
2-Chloroethyl vinyl ether	NELAP	10000		ND	µg/L	500	09/12/2016 14:28	122353
2-Chlorotoluene	NELAP	2500		ND	µg/L	500	09/12/2016 14:28	122353
2-Hexanone	NELAP	12500		ND	µg/L	500	09/12/2016 14:28	122353
2-Nitropropane	NELAP	25000		ND	µg/L	500	09/12/2016 14:28	122353
4-Chlorotoluene	NELAP	2500		ND	µg/L	500	09/12/2016 14:28	122353
4-Methyl-2-pentanone	NELAP	12500		ND	µg/L	500	09/12/2016 14:28	122353
Acetone	NELAP	12500		ND	µg/L	500	09/12/2016 14:28	122353
Acetonitrile	NELAP	25000		ND	µg/L	500	09/12/2016 14:28	122353
Acrolein	NELAP	50000		ND	µg/L	500	09/12/2016 14:28	122353
Acrylonitrile	NELAP	2500		ND	µg/L	500	09/12/2016 14:28	122353
Allyl chloride	NELAP	2500		ND	µg/L	500	09/12/2016 14:28	122353
Benzene	NELAP	1000		ND	µg/L	500	09/12/2016 14:28	122353
Bromobenzene	NELAP	2500		ND	µg/L	500	09/12/2016 14:28	122353
Bromochloromethane	NELAP	2500		ND	µg/L	500	09/12/2016 14:28	122353
Bromodichloromethane	NELAP	2500		ND	µg/L	500	09/12/2016 14:28	122353
Bromoform	NELAP	2500		ND	µg/L	500	09/12/2016 14:28	122353
Bromomethane	NELAP	5000		ND	µg/L	500	09/12/2016 14:28	122353
Carbon disulfide	NELAP	2500		ND	µg/L	500	09/12/2016 14:28	122353
Carbon tetrachloride	NELAP	2500		ND	µg/L	500	09/12/2016 14:28	122353
Chlorobenzene	NELAP	2500		ND	µg/L	500	09/12/2016 14:28	122353
Chloroethane	NELAP	5000		ND	µg/L	500	09/12/2016 14:28	122353

Laboratory Results

<http://www.teklabinc.com/>

Client: Civil & Environmental Consultants
Client Project: Huster Road Substation 120-678

Work Order: 16090421
Report Date: 13-Sep-16

Lab ID: 16090421-003

Client Sample ID: MW-13

Matrix: GROUNDWATER

Collection Date: 09/07/2016 8:56

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Chloroform	NELAP	2500		ND	µg/L	500	09/12/2016 14:28	122353
Chloromethane	NELAP	5000		ND	µg/L	500	09/12/2016 14:28	122353
Chloroprene	NELAP	10000		ND	µg/L	500	09/12/2016 14:28	122353
cis-1,2-Dichloroethene	NELAP	2500		39700	µg/L	500	09/12/2016 14:28	122353
cis-1,3-Dichloropropene	NELAP	2500		ND	µg/L	500	09/12/2016 14:28	122353
cis-1,4-Dichloro-2-butene	NELAP	2500		ND	µg/L	500	09/12/2016 14:28	122353
Cyclohexanone		25000		ND	µg/L	500	09/12/2016 14:28	122353
Dibromochloromethane	NELAP	2500		ND	µg/L	500	09/12/2016 14:28	122353
Dibromomethane	NELAP	2500		ND	µg/L	500	09/12/2016 14:28	122353
Dichlorodifluoromethane	NELAP	5000		ND	µg/L	500	09/12/2016 14:28	122353
Ethyl acetate	NELAP	5000		ND	µg/L	500	09/12/2016 14:28	122353
Ethyl ether	NELAP	2500		ND	µg/L	500	09/12/2016 14:28	122353
Ethyl methacrylate	NELAP	2500		ND	µg/L	500	09/12/2016 14:28	122353
Ethylbenzene	NELAP	2500		ND	µg/L	500	09/12/2016 14:28	122353
Hexachlorobutadiene	NELAP	2500		ND	µg/L	500	09/12/2016 14:28	122353
Hexachloroethane	NELAP	5000		ND	µg/L	500	09/12/2016 14:28	122353
Iodomethane	NELAP	2500		ND	µg/L	500	09/12/2016 14:28	122353
Isopropylbenzene	NELAP	2500		ND	µg/L	500	09/12/2016 14:28	122353
m,p-Xylenes	NELAP	2500		ND	µg/L	500	09/12/2016 14:28	122353
Methacrylonitrile	NELAP	5000		ND	µg/L	500	09/12/2016 14:28	122353
Methyl Methacrylate	NELAP	2500		ND	µg/L	500	09/12/2016 14:28	122353
Methyl tert-butyl ether	NELAP	1000		ND	µg/L	500	09/12/2016 14:28	122353
Methylacrylate	NELAP	5000		ND	µg/L	500	09/12/2016 14:28	122353
Methylene chloride	NELAP	2500		ND	µg/L	500	09/12/2016 14:28	122353
Naphthalene	NELAP	5000		ND	µg/L	500	09/12/2016 14:28	122353
n-Butyl acetate		12500		ND	µg/L	500	09/12/2016 14:28	122353
n-Butylbenzene	NELAP	2500		ND	µg/L	500	09/12/2016 14:28	122353
n-Heptane		10000		ND	µg/L	500	09/12/2016 14:28	122353
n-Hexane		10000		ND	µg/L	500	09/12/2016 14:28	122353
Nitrobenzene	NELAP	25000		ND	µg/L	500	09/12/2016 14:28	122353
n-Propylbenzene	NELAP	2500		ND	µg/L	500	09/12/2016 14:28	122353
o-Xylene	NELAP	2500		ND	µg/L	500	09/12/2016 14:28	122353
Pentachloroethane	NELAP	10000		ND	µg/L	500	09/12/2016 14:28	122353
p-Isopropyltoluene	NELAP	2500		ND	µg/L	500	09/12/2016 14:28	122353
Propionitrile	NELAP	25000		ND	µg/L	500	09/12/2016 14:28	122353
sec-Butylbenzene	NELAP	2500		ND	µg/L	500	09/12/2016 14:28	122353
Styrene	NELAP	2500		ND	µg/L	500	09/12/2016 14:28	122353
tert-Butylbenzene	NELAP	2500		ND	µg/L	500	09/12/2016 14:28	122353
Tetrachloroethene	NELAP	2500		ND	µg/L	500	09/12/2016 14:28	122353
Tetrahydrofuran	NELAP	10000		ND	µg/L	500	09/12/2016 14:28	122353
Toluene	NELAP	2500		ND	µg/L	500	09/12/2016 14:28	122353
trans-1,2-Dichloroethene	NELAP	2500		ND	µg/L	500	09/12/2016 14:28	122353
trans-1,3-Dichloropropene	NELAP	2500		ND	µg/L	500	09/12/2016 14:28	122353
trans-1,4-Dichloro-2-butene	NELAP	5000		ND	µg/L	500	09/12/2016 14:28	122353
Trichloroethene	NELAP	2500		ND	µg/L	500	09/12/2016 14:28	122353
Trichlorofluoromethane	NELAP	2500		ND	µg/L	500	09/12/2016 14:28	122353
Vinyl acetate	NELAP	5000		ND	µg/L	500	09/12/2016 14:28	122353

Laboratory Results

<http://www.teklabinc.com/>

Client: Civil & Environmental Consultants

Work Order: 16090421

Client Project: Huster Road Substation 120-678

Report Date: 13-Sep-16

Lab ID: 16090421-003

Client Sample ID: MW-13

Matrix: GROUNDWATER

Collection Date: 09/07/2016 8:56

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Vinyl chloride	NELAP	1000		2080	µg/L	500	09/12/2016 14:28	122353
Surr: 1,2-Dichloroethane-d4		74.7-129		105.5	%REC	500	09/12/2016 14:28	122353
Surr: 4-Bromofluorobenzene		86-119		102.9	%REC	500	09/12/2016 14:28	122353
Surr: Dibromofluoromethane		81.7-123		94.5	%REC	500	09/12/2016 14:28	122353
Surr: Toluene-d8		84.3-114		98.6	%REC	500	09/12/2016 14:28	122353

LCS and LCSD recovered outside upper QC limits for bromomethane and iodomethane. Sample results are below reporting limit. Data is reportable per 2009 TNI Standard (Volume1, Module 4, section 1.7.4.2).

Elevated reporting limit due to high levels of target and/or non-target analytes.

Client: Civil & Environmental Consultants
Client Project: Huster Road Substation 120-678

Work Order: 16090421
Report Date: 13-Sep-16

Lab ID: 16090421-004

Client Sample ID: MW-8

Matrix: GROUNDWATER

Collection Date: 09/07/2016 9:13

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1,1,1,2-Tetrachloroethane	NELAP	1000		ND	µg/L	200	09/12/2016 14:54	122353
1,1,1-Trichloroethane	NELAP	1000		ND	µg/L	200	09/12/2016 14:54	122353
1,1,2,2-Tetrachloroethane	NELAP	1000		ND	µg/L	200	09/12/2016 14:54	122353
1,1,2-Trichloro-1,2,2-trifluoroethane		4000		ND	µg/L	200	09/12/2016 14:54	122353
1,1,2-Trichloroethane	NELAP	1000		ND	µg/L	200	09/12/2016 14:54	122353
1,1-Dichloro-2-propanone		10000		ND	µg/L	200	09/12/2016 14:54	122353
1,1-Dichloroethane	NELAP	1000		ND	µg/L	200	09/12/2016 14:54	122353
1,1-Dichloroethene	NELAP	1000		ND	µg/L	200	09/12/2016 14:54	122353
1,1-Dichloropropene	NELAP	1000		ND	µg/L	200	09/12/2016 14:54	122353
1,2,3-Trichlorobenzene	NELAP	1000		ND	µg/L	200	09/12/2016 14:54	122353
1,2,3-Trichloropropane	NELAP	1000		ND	µg/L	200	09/12/2016 14:54	122353
1,2,3-Trimethylbenzene		1000		ND	µg/L	200	09/12/2016 14:54	122353
1,2,4-Trichlorobenzene	NELAP	1000		ND	µg/L	200	09/12/2016 14:54	122353
1,2,4-Trimethylbenzene	NELAP	1000		ND	µg/L	200	09/12/2016 14:54	122353
1,2-Dibromo-3-chloropropane	NELAP	1000		ND	µg/L	200	09/12/2016 14:54	122353
1,2-Dibromoethane	NELAP	1000		ND	µg/L	200	09/12/2016 14:54	122353
1,2-Dichlorobenzene	NELAP	1000		ND	µg/L	200	09/12/2016 14:54	122353
1,2-Dichloroethane	NELAP	1000		ND	µg/L	200	09/12/2016 14:54	122353
1,2-Dichloropropane	NELAP	1000		ND	µg/L	200	09/12/2016 14:54	122353
1,3,5-Trimethylbenzene	NELAP	1000		ND	µg/L	200	09/12/2016 14:54	122353
1,3-Dichlorobenzene	NELAP	1000		ND	µg/L	200	09/12/2016 14:54	122353
1,3-Dichloropropane	NELAP	1000		ND	µg/L	200	09/12/2016 14:54	122353
1,4-Dichlorobenzene	NELAP	1000		ND	µg/L	200	09/12/2016 14:54	122353
1-Chlorobutane	NELAP	1000		ND	µg/L	200	09/12/2016 14:54	122353
2,2-Dichloropropane	NELAP	1000		ND	µg/L	200	09/12/2016 14:54	122353
2-Butanone	NELAP	5000		ND	µg/L	200	09/12/2016 14:54	122353
2-Chloroethyl vinyl ether	NELAP	4000		ND	µg/L	200	09/12/2016 14:54	122353
2-Chlorotoluene	NELAP	1000		ND	µg/L	200	09/12/2016 14:54	122353
2-Hexanone	NELAP	5000		ND	µg/L	200	09/12/2016 14:54	122353
2-Nitropropane	NELAP	10000		ND	µg/L	200	09/12/2016 14:54	122353
4-Chlorotoluene	NELAP	1000		ND	µg/L	200	09/12/2016 14:54	122353
4-Methyl-2-pentanone	NELAP	5000		ND	µg/L	200	09/12/2016 14:54	122353
Acetone	NELAP	5000		ND	µg/L	200	09/12/2016 14:54	122353
Acetonitrile	NELAP	10000		ND	µg/L	200	09/12/2016 14:54	122353
Acrolein	NELAP	20000		ND	µg/L	200	09/12/2016 14:54	122353
Acrylonitrile	NELAP	1000		ND	µg/L	200	09/12/2016 14:54	122353
Allyl chloride	NELAP	1000		ND	µg/L	200	09/12/2016 14:54	122353
Benzene	NELAP	400		ND	µg/L	200	09/12/2016 14:54	122353
Bromobenzene	NELAP	1000		ND	µg/L	200	09/12/2016 14:54	122353
Bromochloromethane	NELAP	1000		ND	µg/L	200	09/12/2016 14:54	122353
Bromodichloromethane	NELAP	1000		ND	µg/L	200	09/12/2016 14:54	122353
Bromoform	NELAP	1000		ND	µg/L	200	09/12/2016 14:54	122353
Bromomethane	NELAP	2000		ND	µg/L	200	09/12/2016 14:54	122353
Carbon disulfide	NELAP	1000		ND	µg/L	200	09/12/2016 14:54	122353
Carbon tetrachloride	NELAP	1000		ND	µg/L	200	09/12/2016 14:54	122353
Chlorobenzene	NELAP	1000		ND	µg/L	200	09/12/2016 14:54	122353
Chloroethane	NELAP	2000		ND	µg/L	200	09/12/2016 14:54	122353

Laboratory Results

<http://www.teklabinc.com/>

Client: Civil & Environmental Consultants
Client Project: Huster Road Substation 120-678

Work Order: 16090421
Report Date: 13-Sep-16

Lab ID: 16090421-004

Client Sample ID: MW-8

Matrix: GROUNDWATER

Collection Date: 09/07/2016 9:13

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Chloroform	NELAP	1000		ND	µg/L	200	09/12/2016 14:54	122353
Chloromethane	NELAP	2000		ND	µg/L	200	09/12/2016 14:54	122353
Chloroprene	NELAP	4000		ND	µg/L	200	09/12/2016 14:54	122353
cis-1,2-Dichloroethene	NELAP	1000		13200	µg/L	200	09/12/2016 14:54	122353
cis-1,3-Dichloropropene	NELAP	1000		ND	µg/L	200	09/12/2016 14:54	122353
cis-1,4-Dichloro-2-butene	NELAP	1000		ND	µg/L	200	09/12/2016 14:54	122353
Cyclohexanone		10000		ND	µg/L	200	09/12/2016 14:54	122353
Dibromochloromethane	NELAP	1000		ND	µg/L	200	09/12/2016 14:54	122353
Dibromomethane	NELAP	1000		ND	µg/L	200	09/12/2016 14:54	122353
Dichlorodifluoromethane	NELAP	2000		ND	µg/L	200	09/12/2016 14:54	122353
Ethyl acetate	NELAP	2000		ND	µg/L	200	09/12/2016 14:54	122353
Ethyl ether	NELAP	1000		ND	µg/L	200	09/12/2016 14:54	122353
Ethyl methacrylate	NELAP	1000		ND	µg/L	200	09/12/2016 14:54	122353
Ethylbenzene	NELAP	1000		ND	µg/L	200	09/12/2016 14:54	122353
Hexachlorobutadiene	NELAP	1000		ND	µg/L	200	09/12/2016 14:54	122353
Hexachloroethane	NELAP	2000		ND	µg/L	200	09/12/2016 14:54	122353
Iodomethane	NELAP	1000		ND	µg/L	200	09/12/2016 14:54	122353
Isopropylbenzene	NELAP	1000		ND	µg/L	200	09/12/2016 14:54	122353
m,p-Xylenes	NELAP	1000		ND	µg/L	200	09/12/2016 14:54	122353
Methacrylonitrile	NELAP	2000		ND	µg/L	200	09/12/2016 14:54	122353
Methyl Methacrylate	NELAP	1000		ND	µg/L	200	09/12/2016 14:54	122353
Methyl tert-butyl ether	NELAP	400		ND	µg/L	200	09/12/2016 14:54	122353
Methylacrylate	NELAP	2000		ND	µg/L	200	09/12/2016 14:54	122353
Methylene chloride	NELAP	1000		ND	µg/L	200	09/12/2016 14:54	122353
Naphthalene	NELAP	2000		ND	µg/L	200	09/12/2016 14:54	122353
n-Butyl acetate		5000		ND	µg/L	200	09/12/2016 14:54	122353
n-Butylbenzene	NELAP	1000		ND	µg/L	200	09/12/2016 14:54	122353
n-Heptane		4000		ND	µg/L	200	09/12/2016 14:54	122353
n-Hexane		4000		ND	µg/L	200	09/12/2016 14:54	122353
Nitrobenzene	NELAP	10000		ND	µg/L	200	09/12/2016 14:54	122353
n-Propylbenzene	NELAP	1000		ND	µg/L	200	09/12/2016 14:54	122353
o-Xylene	NELAP	1000		ND	µg/L	200	09/12/2016 14:54	122353
Pentachloroethane	NELAP	4000		ND	µg/L	200	09/12/2016 14:54	122353
p-Isopropyltoluene	NELAP	1000		ND	µg/L	200	09/12/2016 14:54	122353
Propionitrile	NELAP	10000		ND	µg/L	200	09/12/2016 14:54	122353
sec-Butylbenzene	NELAP	1000		ND	µg/L	200	09/12/2016 14:54	122353
Styrene	NELAP	1000		ND	µg/L	200	09/12/2016 14:54	122353
tert-Butylbenzene	NELAP	1000		ND	µg/L	200	09/12/2016 14:54	122353
Tetrachloroethene	NELAP	1000		ND	µg/L	200	09/12/2016 14:54	122353
Tetrahydrofuran	NELAP	4000		ND	µg/L	200	09/12/2016 14:54	122353
Toluene	NELAP	1000		ND	µg/L	200	09/12/2016 14:54	122353
trans-1,2-Dichloroethene	NELAP	1000		ND	µg/L	200	09/12/2016 14:54	122353
trans-1,3-Dichloropropene	NELAP	1000		ND	µg/L	200	09/12/2016 14:54	122353
trans-1,4-Dichloro-2-butene	NELAP	2000		ND	µg/L	200	09/12/2016 14:54	122353
Trichloroethene	NELAP	1000		ND	µg/L	200	09/12/2016 14:54	122353
Trichlorofluoromethane	NELAP	1000		ND	µg/L	200	09/12/2016 14:54	122353
Vinyl acetate	NELAP	2000		ND	µg/L	200	09/12/2016 14:54	122353

Client: Civil & Environmental Consultants

Work Order: 16090421

Client Project: Huster Road Substation 120-678

Report Date: 13-Sep-16

Lab ID: 16090421-004

Client Sample ID: MW-8

Matrix: GROUNDWATER

Collection Date: 09/07/2016 9:13

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Vinyl chloride	NELAP	400		1570	µg/L	200	09/12/2016 14:54	122353
Surr: 1,2-Dichloroethane-d4		74.7-129		103.8	%REC	200	09/12/2016 14:54	122353
Surr: 4-Bromofluorobenzene		86-119		102.9	%REC	200	09/12/2016 14:54	122353
Surr: Dibromofluoromethane		81.7-123		93.9	%REC	200	09/12/2016 14:54	122353
Surr: Toluene-d8		84.3-114		99.5	%REC	200	09/12/2016 14:54	122353

LCS and LCSD recovered outside upper QC limits for bromomethane and iodomethane. Sample results are below reporting limit. Data is reportable per 2009 TNI Standard (Volume1, Module 4, section 1.7.4.2).

Elevated reporting limit due to high levels of target and/or non-target analytes.

Client: Civil & Environmental Consultants
Client Project: Huster Road Substation 120-678

Work Order: 16090421
Report Date: 13-Sep-16

Lab ID: 16090421-005

Client Sample ID: MW-11

Matrix: GROUNDWATER

Collection Date: 09/07/2016 9:34

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1,1,1,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	09/12/2016 15:20	122353
1,1,1-Trichloroethane	NELAP	5.0		ND	µg/L	1	09/12/2016 15:20	122353
1,1,2,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	09/12/2016 15:20	122353
1,1,2-Trichloro-1,2,2-trifluoroethane		20.0		ND	µg/L	1	09/12/2016 15:20	122353
1,1,2-Trichloroethane	NELAP	5.0		ND	µg/L	1	09/12/2016 15:20	122353
1,1-Dichloro-2-propanone		50.0		ND	µg/L	1	09/12/2016 15:20	122353
1,1-Dichloroethane	NELAP	5.0		ND	µg/L	1	09/12/2016 15:20	122353
1,1-Dichloroethene	NELAP	5.0		ND	µg/L	1	09/12/2016 15:20	122353
1,1-Dichloropropene	NELAP	5.0		ND	µg/L	1	09/12/2016 15:20	122353
1,2,3-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 15:20	122353
1,2,3-Trichloropropane	NELAP	5.0		ND	µg/L	1	09/12/2016 15:20	122353
1,2,3-Trimethylbenzene		5.0		ND	µg/L	1	09/12/2016 15:20	122353
1,2,4-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 15:20	122353
1,2,4-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 15:20	122353
1,2-Dibromo-3-chloropropane	NELAP	5.0		ND	µg/L	1	09/12/2016 15:20	122353
1,2-Dibromoethane	NELAP	5.0		ND	µg/L	1	09/12/2016 15:20	122353
1,2-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 15:20	122353
1,2-Dichloroethane	NELAP	5.0		ND	µg/L	1	09/12/2016 15:20	122353
1,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	09/12/2016 15:20	122353
1,3,5-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 15:20	122353
1,3-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 15:20	122353
1,3-Dichloropropane	NELAP	5.0		ND	µg/L	1	09/12/2016 15:20	122353
1,4-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 15:20	122353
1-Chlorobutane	NELAP	5.0		ND	µg/L	1	09/12/2016 15:20	122353
2,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	09/12/2016 15:20	122353
2-Butanone	NELAP	25.0		ND	µg/L	1	09/12/2016 15:20	122353
2-Chloroethyl vinyl ether	NELAP	20.0		ND	µg/L	1	09/12/2016 15:20	122353
2-Chlorotoluene	NELAP	5.0		ND	µg/L	1	09/12/2016 15:20	122353
2-Hexanone	NELAP	25.0		ND	µg/L	1	09/12/2016 15:20	122353
2-Nitropropane	NELAP	50.0		ND	µg/L	1	09/12/2016 15:20	122353
4-Chlorotoluene	NELAP	5.0		ND	µg/L	1	09/12/2016 15:20	122353
4-Methyl-2-pentanone	NELAP	25.0		ND	µg/L	1	09/12/2016 15:20	122353
Acetone	NELAP	25.0		ND	µg/L	1	09/12/2016 15:20	122353
Acetonitrile	NELAP	50.0		ND	µg/L	1	09/12/2016 15:20	122353
Acrolein	NELAP	100		ND	µg/L	1	09/12/2016 15:20	122353
Acrylonitrile	NELAP	5.0		ND	µg/L	1	09/12/2016 15:20	122353
Allyl chloride	NELAP	5.0		ND	µg/L	1	09/12/2016 15:20	122353
Benzene	NELAP	2.0		ND	µg/L	1	09/12/2016 15:20	122353
Bromobenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 15:20	122353
Bromochloromethane	NELAP	5.0		ND	µg/L	1	09/12/2016 15:20	122353
Bromodichloromethane	NELAP	5.0		ND	µg/L	1	09/12/2016 15:20	122353
Bromoform	NELAP	5.0		ND	µg/L	1	09/12/2016 15:20	122353
Bromomethane	NELAP	10.0		ND	µg/L	1	09/12/2016 15:20	122353
Carbon disulfide	NELAP	5.0		ND	µg/L	1	09/12/2016 15:20	122353
Carbon tetrachloride	NELAP	5.0		ND	µg/L	1	09/12/2016 15:20	122353
Chlorobenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 15:20	122353
Chloroethane	NELAP	10.0		ND	µg/L	1	09/12/2016 15:20	122353

Laboratory Results

<http://www.teklabinc.com/>

Client: Civil & Environmental Consultants
Client Project: Huster Road Substation 120-678

Work Order: 16090421
Report Date: 13-Sep-16

Lab ID: 16090421-005

Client Sample ID: MW-11

Matrix: GROUNDWATER

Collection Date: 09/07/2016 9:34

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Chloroform	NELAP	5.0		ND	µg/L	1	09/12/2016 15:20	122353
Chloromethane	NELAP	10.0		ND	µg/L	1	09/12/2016 15:20	122353
Chloroprene	NELAP	20.0		ND	µg/L	1	09/12/2016 15:20	122353
cis-1,2-Dichloroethene	NELAP	5.0		17.8	µg/L	1	09/12/2016 15:20	122353
cis-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	09/12/2016 15:20	122353
cis-1,4-Dichloro-2-butene	NELAP	5.0		ND	µg/L	1	09/12/2016 15:20	122353
Cyclohexanone		50.0		ND	µg/L	1	09/12/2016 15:20	122353
Dibromochloromethane	NELAP	5.0		ND	µg/L	1	09/12/2016 15:20	122353
Dibromomethane	NELAP	5.0		ND	µg/L	1	09/12/2016 15:20	122353
Dichlorodifluoromethane	NELAP	10.0		ND	µg/L	1	09/12/2016 15:20	122353
Ethyl acetate	NELAP	10.0		ND	µg/L	1	09/12/2016 15:20	122353
Ethyl ether	NELAP	5.0		ND	µg/L	1	09/12/2016 15:20	122353
Ethyl methacrylate	NELAP	5.0		ND	µg/L	1	09/12/2016 15:20	122353
Ethylbenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 15:20	122353
Hexachlorobutadiene	NELAP	5.0		ND	µg/L	1	09/12/2016 15:20	122353
Hexachloroethane	NELAP	10.0		ND	µg/L	1	09/12/2016 15:20	122353
Iodomethane	NELAP	5.0		ND	µg/L	1	09/12/2016 15:20	122353
Isopropylbenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 15:20	122353
m,p-Xylenes	NELAP	5.0		ND	µg/L	1	09/12/2016 15:20	122353
Methacrylonitrile	NELAP	10.0		ND	µg/L	1	09/12/2016 15:20	122353
Methyl Methacrylate	NELAP	5.0		ND	µg/L	1	09/12/2016 15:20	122353
Methyl tert-butyl ether	NELAP	2.0		ND	µg/L	1	09/12/2016 15:20	122353
Methylacrylate	NELAP	10.0		ND	µg/L	1	09/12/2016 15:20	122353
Methylene chloride	NELAP	5.0		ND	µg/L	1	09/12/2016 15:20	122353
Naphthalene	NELAP	10.0		ND	µg/L	1	09/12/2016 15:20	122353
n-Butyl acetate		25.0		ND	µg/L	1	09/12/2016 15:20	122353
n-Butylbenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 15:20	122353
n-Heptane		20.0		ND	µg/L	1	09/12/2016 15:20	122353
n-Hexane		20.0		ND	µg/L	1	09/12/2016 15:20	122353
Nitrobenzene	NELAP	50.0		ND	µg/L	1	09/12/2016 15:20	122353
n-Propylbenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 15:20	122353
o-Xylene	NELAP	5.0		ND	µg/L	1	09/12/2016 15:20	122353
Pentachloroethane	NELAP	20.0		ND	µg/L	1	09/12/2016 15:20	122353
p-Isopropyltoluene	NELAP	5.0		ND	µg/L	1	09/12/2016 15:20	122353
Propionitrile	NELAP	50.0		ND	µg/L	1	09/12/2016 15:20	122353
sec-Butylbenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 15:20	122353
Styrene	NELAP	5.0		ND	µg/L	1	09/12/2016 15:20	122353
tert-Butylbenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 15:20	122353
Tetrachloroethene	NELAP	5.0		ND	µg/L	1	09/12/2016 15:20	122353
Tetrahydrofuran	NELAP	20.0		ND	µg/L	1	09/12/2016 15:20	122353
Toluene	NELAP	5.0		ND	µg/L	1	09/12/2016 15:20	122353
trans-1,2-Dichloroethene	NELAP	5.0		ND	µg/L	1	09/12/2016 15:20	122353
trans-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	09/12/2016 15:20	122353
trans-1,4-Dichloro-2-butene	NELAP	10.0		ND	µg/L	1	09/12/2016 15:20	122353
Trichloroethene	NELAP	5.0		ND	µg/L	1	09/12/2016 15:20	122353
Trichlorofluoromethane	NELAP	5.0		ND	µg/L	1	09/12/2016 15:20	122353
Vinyl acetate	NELAP	10.0		ND	µg/L	1	09/12/2016 15:20	122353

Laboratory Results

<http://www.teklabinc.com/>

Client: Civil & Environmental Consultants

Work Order: 16090421

Client Project: Huster Road Substation 120-678

Report Date: 13-Sep-16

Lab ID: 16090421-005

Client Sample ID: MW-11

Matrix: GROUNDWATER

Collection Date: 09/07/2016 9:34

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Vinyl chloride	NELAP	2.0		40.4	µg/L	1	09/12/2016 15:20	122353
Surr: 1,2-Dichloroethane-d4		74.7-129		103.0	%REC	1	09/12/2016 15:20	122353
Surr: 4-Bromofluorobenzene		86-119		102.8	%REC	1	09/12/2016 15:20	122353
Surr: Dibromofluoromethane		81.7-123		93.3	%REC	1	09/12/2016 15:20	122353
Surr: Toluene-d8		84.3-114		102.7	%REC	1	09/12/2016 15:20	122353

LCS and LCSD recovered outside upper QC limits for bromomethane and iodomethane. Sample results are below reporting limit. Data is reportable per 2009 TNI Standard (Volume1, Module 4, section 1.7.4.2).

Client: Civil & Environmental Consultants
Client Project: Huster Road Substation 120-678

Work Order: 16090421
Report Date: 13-Sep-16

Lab ID: 16090421-006

Client Sample ID: MW-12

Matrix: GROUNDWATER

Collection Date: 09/07/2016 9:53

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1,1,1,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	09/12/2016 15:45	122353
1,1,1-Trichloroethane	NELAP	5.0		ND	µg/L	1	09/12/2016 15:45	122353
1,1,2,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	09/12/2016 15:45	122353
1,1,2-Trichloro-1,2,2-trifluoroethane		20.0		ND	µg/L	1	09/12/2016 15:45	122353
1,1,2-Trichloroethane	NELAP	5.0		ND	µg/L	1	09/12/2016 15:45	122353
1,1-Dichloro-2-propanone		50.0		ND	µg/L	1	09/12/2016 15:45	122353
1,1-Dichloroethane	NELAP	5.0		ND	µg/L	1	09/12/2016 15:45	122353
1,1-Dichloroethene	NELAP	5.0		ND	µg/L	1	09/12/2016 15:45	122353
1,1-Dichloropropene	NELAP	5.0		ND	µg/L	1	09/12/2016 15:45	122353
1,2,3-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 15:45	122353
1,2,3-Trichloropropane	NELAP	5.0		ND	µg/L	1	09/12/2016 15:45	122353
1,2,3-Trimethylbenzene		5.0		ND	µg/L	1	09/12/2016 15:45	122353
1,2,4-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 15:45	122353
1,2,4-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 15:45	122353
1,2-Dibromo-3-chloropropane	NELAP	5.0		ND	µg/L	1	09/12/2016 15:45	122353
1,2-Dibromoethane	NELAP	5.0		ND	µg/L	1	09/12/2016 15:45	122353
1,2-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 15:45	122353
1,2-Dichloroethane	NELAP	5.0		ND	µg/L	1	09/12/2016 15:45	122353
1,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	09/12/2016 15:45	122353
1,3,5-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 15:45	122353
1,3-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 15:45	122353
1,3-Dichloropropane	NELAP	5.0		ND	µg/L	1	09/12/2016 15:45	122353
1,4-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 15:45	122353
1-Chlorobutane	NELAP	5.0		ND	µg/L	1	09/12/2016 15:45	122353
2,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	09/12/2016 15:45	122353
2-Butanone	NELAP	25.0		ND	µg/L	1	09/12/2016 15:45	122353
2-Chloroethyl vinyl ether	NELAP	20.0		ND	µg/L	1	09/12/2016 15:45	122353
2-Chlorotoluene	NELAP	5.0		ND	µg/L	1	09/12/2016 15:45	122353
2-Hexanone	NELAP	25.0		ND	µg/L	1	09/12/2016 15:45	122353
2-Nitropropane	NELAP	50.0		ND	µg/L	1	09/12/2016 15:45	122353
4-Chlorotoluene	NELAP	5.0		ND	µg/L	1	09/12/2016 15:45	122353
4-Methyl-2-pentanone	NELAP	25.0		ND	µg/L	1	09/12/2016 15:45	122353
Acetone	NELAP	25.0		ND	µg/L	1	09/12/2016 15:45	122353
Acetonitrile	NELAP	50.0		ND	µg/L	1	09/12/2016 15:45	122353
Acrolein	NELAP	100		ND	µg/L	1	09/12/2016 15:45	122353
Acrylonitrile	NELAP	5.0		ND	µg/L	1	09/12/2016 15:45	122353
Allyl chloride	NELAP	5.0		ND	µg/L	1	09/12/2016 15:45	122353
Benzene	NELAP	2.0		ND	µg/L	1	09/12/2016 15:45	122353
Bromobenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 15:45	122353
Bromochloromethane	NELAP	5.0		ND	µg/L	1	09/12/2016 15:45	122353
Bromodichloromethane	NELAP	5.0		ND	µg/L	1	09/12/2016 15:45	122353
Bromoform	NELAP	5.0		ND	µg/L	1	09/12/2016 15:45	122353
Bromomethane	NELAP	10.0		ND	µg/L	1	09/12/2016 15:45	122353
Carbon disulfide	NELAP	5.0		ND	µg/L	1	09/12/2016 15:45	122353
Carbon tetrachloride	NELAP	5.0		ND	µg/L	1	09/12/2016 15:45	122353
Chlorobenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 15:45	122353
Chloroethane	NELAP	10.0		ND	µg/L	1	09/12/2016 15:45	122353

Laboratory Results

<http://www.teklabinc.com/>

Client: Civil & Environmental Consultants
Client Project: Huster Road Substation 120-678

Work Order: 16090421
Report Date: 13-Sep-16

Lab ID: 16090421-006

Client Sample ID: MW-12

Matrix: GROUNDWATER

Collection Date: 09/07/2016 9:53

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Chloroform	NELAP	5.0		ND	µg/L	1	09/12/2016 15:45	122353
Chloromethane	NELAP	10.0		ND	µg/L	1	09/12/2016 15:45	122353
Chloroprene	NELAP	20.0		ND	µg/L	1	09/12/2016 15:45	122353
cis-1,2-Dichloroethene	NELAP	5.0		ND	µg/L	1	09/12/2016 15:45	122353
cis-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	09/12/2016 15:45	122353
cis-1,4-Dichloro-2-butene	NELAP	5.0		ND	µg/L	1	09/12/2016 15:45	122353
Cyclohexanone		50.0		ND	µg/L	1	09/12/2016 15:45	122353
Dibromochloromethane	NELAP	5.0		ND	µg/L	1	09/12/2016 15:45	122353
Dibromomethane	NELAP	5.0		ND	µg/L	1	09/12/2016 15:45	122353
Dichlorodifluoromethane	NELAP	10.0		ND	µg/L	1	09/12/2016 15:45	122353
Ethyl acetate	NELAP	10.0		ND	µg/L	1	09/12/2016 15:45	122353
Ethyl ether	NELAP	5.0		ND	µg/L	1	09/12/2016 15:45	122353
Ethyl methacrylate	NELAP	5.0		ND	µg/L	1	09/12/2016 15:45	122353
Ethylbenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 15:45	122353
Hexachlorobutadiene	NELAP	5.0		ND	µg/L	1	09/12/2016 15:45	122353
Hexachloroethane	NELAP	10.0		ND	µg/L	1	09/12/2016 15:45	122353
Iodomethane	NELAP	5.0		ND	µg/L	1	09/12/2016 15:45	122353
Isopropylbenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 15:45	122353
m,p-Xylenes	NELAP	5.0		ND	µg/L	1	09/12/2016 15:45	122353
Methacrylonitrile	NELAP	10.0		ND	µg/L	1	09/12/2016 15:45	122353
Methyl Methacrylate	NELAP	5.0		ND	µg/L	1	09/12/2016 15:45	122353
Methyl tert-butyl ether	NELAP	2.0		ND	µg/L	1	09/12/2016 15:45	122353
Methylacrylate	NELAP	10.0		ND	µg/L	1	09/12/2016 15:45	122353
Methylene chloride	NELAP	5.0		ND	µg/L	1	09/12/2016 15:45	122353
Naphthalene	NELAP	10.0		ND	µg/L	1	09/12/2016 15:45	122353
n-Butyl acetate		25.0		ND	µg/L	1	09/12/2016 15:45	122353
n-Butylbenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 15:45	122353
n-Heptane		20.0		ND	µg/L	1	09/12/2016 15:45	122353
n-Hexane		20.0		ND	µg/L	1	09/12/2016 15:45	122353
Nitrobenzene	NELAP	50.0		ND	µg/L	1	09/12/2016 15:45	122353
n-Propylbenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 15:45	122353
o-Xylene	NELAP	5.0		ND	µg/L	1	09/12/2016 15:45	122353
Pentachloroethane	NELAP	20.0		ND	µg/L	1	09/12/2016 15:45	122353
p-Isopropyltoluene	NELAP	5.0		ND	µg/L	1	09/12/2016 15:45	122353
Propionitrile	NELAP	50.0		ND	µg/L	1	09/12/2016 15:45	122353
sec-Butylbenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 15:45	122353
Styrene	NELAP	5.0		ND	µg/L	1	09/12/2016 15:45	122353
tert-Butylbenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 15:45	122353
Tetrachloroethene	NELAP	5.0		ND	µg/L	1	09/12/2016 15:45	122353
Tetrahydrofuran	NELAP	20.0		ND	µg/L	1	09/12/2016 15:45	122353
Toluene	NELAP	5.0		ND	µg/L	1	09/12/2016 15:45	122353
trans-1,2-Dichloroethene	NELAP	5.0		ND	µg/L	1	09/12/2016 15:45	122353
trans-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	09/12/2016 15:45	122353
trans-1,4-Dichloro-2-butene	NELAP	10.0		ND	µg/L	1	09/12/2016 15:45	122353
Trichloroethene	NELAP	5.0		ND	µg/L	1	09/12/2016 15:45	122353
Trichlorofluoromethane	NELAP	5.0		ND	µg/L	1	09/12/2016 15:45	122353
Vinyl acetate	NELAP	10.0		ND	µg/L	1	09/12/2016 15:45	122353

Laboratory Results

<http://www.teklabinc.com/>

Client: Civil & Environmental Consultants

Work Order: 16090421

Client Project: Huster Road Substation 120-678

Report Date: 13-Sep-16

Lab ID: 16090421-006

Client Sample ID: MW-12

Matrix: GROUNDWATER

Collection Date: 09/07/2016 9:53

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Vinyl chloride	NELAP	2.0		7.8	µg/L	1	09/12/2016 15:45	122353
Surr: 1,2-Dichloroethane-d4		74.7-129		103.8	%REC	1	09/12/2016 15:45	122353
Surr: 4-Bromofluorobenzene		86-119		103.9	%REC	1	09/12/2016 15:45	122353
Surr: Dibromofluoromethane		81.7-123		95.3	%REC	1	09/12/2016 15:45	122353
Surr: Toluene-d8		84.3-114		100.1	%REC	1	09/12/2016 15:45	122353

LCS and LCSD recovered outside upper QC limits for bromomethane and iodomethane. Sample results are below reporting limit. Data is reportable per 2009 TNI Standard (Volume1, Module 4, section 1.7.4.2).

Client: Civil & Environmental Consultants
Client Project: Huster Road Substation 120-678

Work Order: 16090421
Report Date: 13-Sep-16

Lab ID: 16090421-007

Client Sample ID: MW-10

Matrix: GROUNDWATER

Collection Date: 09/07/2016 10:13

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1,1,1,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	09/12/2016 16:11	122353
1,1,1-Trichloroethane	NELAP	5.0		ND	µg/L	1	09/12/2016 16:11	122353
1,1,2,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	09/12/2016 16:11	122353
1,1,2-Trichloro-1,2,2-trifluoroethane		20.0		ND	µg/L	1	09/12/2016 16:11	122353
1,1,2-Trichloroethane	NELAP	5.0		ND	µg/L	1	09/12/2016 16:11	122353
1,1-Dichloro-2-propanone		50.0		ND	µg/L	1	09/12/2016 16:11	122353
1,1-Dichloroethane	NELAP	5.0		ND	µg/L	1	09/12/2016 16:11	122353
1,1-Dichloroethene	NELAP	5.0		ND	µg/L	1	09/12/2016 16:11	122353
1,1-Dichloropropene	NELAP	5.0		ND	µg/L	1	09/12/2016 16:11	122353
1,2,3-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 16:11	122353
1,2,3-Trichloropropane	NELAP	5.0		ND	µg/L	1	09/12/2016 16:11	122353
1,2,3-Trimethylbenzene		5.0		ND	µg/L	1	09/12/2016 16:11	122353
1,2,4-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 16:11	122353
1,2,4-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 16:11	122353
1,2-Dibromo-3-chloropropane	NELAP	5.0		ND	µg/L	1	09/12/2016 16:11	122353
1,2-Dibromoethane	NELAP	5.0		ND	µg/L	1	09/12/2016 16:11	122353
1,2-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 16:11	122353
1,2-Dichloroethane	NELAP	5.0		ND	µg/L	1	09/12/2016 16:11	122353
1,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	09/12/2016 16:11	122353
1,3,5-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 16:11	122353
1,3-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 16:11	122353
1,3-Dichloropropane	NELAP	5.0		ND	µg/L	1	09/12/2016 16:11	122353
1,4-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 16:11	122353
1-Chlorobutane	NELAP	5.0		ND	µg/L	1	09/12/2016 16:11	122353
2,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	09/12/2016 16:11	122353
2-Butanone	NELAP	25.0		ND	µg/L	1	09/12/2016 16:11	122353
2-Chloroethyl vinyl ether	NELAP	20.0		ND	µg/L	1	09/12/2016 16:11	122353
2-Chlorotoluene	NELAP	5.0		ND	µg/L	1	09/12/2016 16:11	122353
2-Hexanone	NELAP	25.0		ND	µg/L	1	09/12/2016 16:11	122353
2-Nitropropane	NELAP	50.0		ND	µg/L	1	09/12/2016 16:11	122353
4-Chlorotoluene	NELAP	5.0		ND	µg/L	1	09/12/2016 16:11	122353
4-Methyl-2-pentanone	NELAP	25.0		ND	µg/L	1	09/12/2016 16:11	122353
Acetone	NELAP	25.0		ND	µg/L	1	09/12/2016 16:11	122353
Acetonitrile	NELAP	50.0		ND	µg/L	1	09/12/2016 16:11	122353
Acrolein	NELAP	100		ND	µg/L	1	09/12/2016 16:11	122353
Acrylonitrile	NELAP	5.0		ND	µg/L	1	09/12/2016 16:11	122353
Allyl chloride	NELAP	5.0		ND	µg/L	1	09/12/2016 16:11	122353
Benzene	NELAP	2.0		ND	µg/L	1	09/12/2016 16:11	122353
Bromobenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 16:11	122353
Bromochloromethane	NELAP	5.0		ND	µg/L	1	09/12/2016 16:11	122353
Bromodichloromethane	NELAP	5.0		ND	µg/L	1	09/12/2016 16:11	122353
Bromoform	NELAP	5.0		ND	µg/L	1	09/12/2016 16:11	122353
Bromomethane	NELAP	10.0		ND	µg/L	1	09/12/2016 16:11	122353
Carbon disulfide	NELAP	5.0		ND	µg/L	1	09/12/2016 16:11	122353
Carbon tetrachloride	NELAP	5.0		ND	µg/L	1	09/12/2016 16:11	122353
Chlorobenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 16:11	122353
Chloroethane	NELAP	10.0		ND	µg/L	1	09/12/2016 16:11	122353

Laboratory Results

<http://www.teklabinc.com/>

Client: Civil & Environmental Consultants
Client Project: Huster Road Substation 120-678

Work Order: 16090421
Report Date: 13-Sep-16

Lab ID: 16090421-007

Client Sample ID: MW-10

Matrix: GROUNDWATER

Collection Date: 09/07/2016 10:13

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Chloroform	NELAP	5.0		ND	µg/L	1	09/12/2016 16:11	122353
Chloromethane	NELAP	10.0		ND	µg/L	1	09/12/2016 16:11	122353
Chloroprene	NELAP	20.0		ND	µg/L	1	09/12/2016 16:11	122353
cis-1,2-Dichloroethene	NELAP	5.0		7.4	µg/L	1	09/12/2016 16:11	122353
cis-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	09/12/2016 16:11	122353
cis-1,4-Dichloro-2-butene	NELAP	5.0		ND	µg/L	1	09/12/2016 16:11	122353
Cyclohexanone		50.0		ND	µg/L	1	09/12/2016 16:11	122353
Dibromochloromethane	NELAP	5.0		ND	µg/L	1	09/12/2016 16:11	122353
Dibromomethane	NELAP	5.0		ND	µg/L	1	09/12/2016 16:11	122353
Dichlorodifluoromethane	NELAP	10.0		ND	µg/L	1	09/12/2016 16:11	122353
Ethyl acetate	NELAP	10.0		ND	µg/L	1	09/12/2016 16:11	122353
Ethyl ether	NELAP	5.0		ND	µg/L	1	09/12/2016 16:11	122353
Ethyl methacrylate	NELAP	5.0		ND	µg/L	1	09/12/2016 16:11	122353
Ethylbenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 16:11	122353
Hexachlorobutadiene	NELAP	5.0		ND	µg/L	1	09/12/2016 16:11	122353
Hexachloroethane	NELAP	10.0		ND	µg/L	1	09/12/2016 16:11	122353
Iodomethane	NELAP	5.0		ND	µg/L	1	09/12/2016 16:11	122353
Isopropylbenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 16:11	122353
m,p-Xylenes	NELAP	5.0		ND	µg/L	1	09/12/2016 16:11	122353
Methacrylonitrile	NELAP	10.0		ND	µg/L	1	09/12/2016 16:11	122353
Methyl Methacrylate	NELAP	5.0		ND	µg/L	1	09/12/2016 16:11	122353
Methyl tert-butyl ether	NELAP	2.0		ND	µg/L	1	09/12/2016 16:11	122353
Methylacrylate	NELAP	10.0		ND	µg/L	1	09/12/2016 16:11	122353
Methylene chloride	NELAP	5.0		ND	µg/L	1	09/12/2016 16:11	122353
Naphthalene	NELAP	10.0		ND	µg/L	1	09/12/2016 16:11	122353
n-Butyl acetate		25.0		ND	µg/L	1	09/12/2016 16:11	122353
n-Butylbenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 16:11	122353
n-Heptane		20.0		ND	µg/L	1	09/12/2016 16:11	122353
n-Hexane		20.0		ND	µg/L	1	09/12/2016 16:11	122353
Nitrobenzene	NELAP	50.0		ND	µg/L	1	09/12/2016 16:11	122353
n-Propylbenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 16:11	122353
o-Xylene	NELAP	5.0		ND	µg/L	1	09/12/2016 16:11	122353
Pentachloroethane	NELAP	20.0		ND	µg/L	1	09/12/2016 16:11	122353
p-Isopropyltoluene	NELAP	5.0		ND	µg/L	1	09/12/2016 16:11	122353
Propionitrile	NELAP	50.0		ND	µg/L	1	09/12/2016 16:11	122353
sec-Butylbenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 16:11	122353
Styrene	NELAP	5.0		ND	µg/L	1	09/12/2016 16:11	122353
tert-Butylbenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 16:11	122353
Tetrachloroethene	NELAP	5.0		ND	µg/L	1	09/12/2016 16:11	122353
Tetrahydrofuran	NELAP	20.0		ND	µg/L	1	09/12/2016 16:11	122353
Toluene	NELAP	5.0		ND	µg/L	1	09/12/2016 16:11	122353
trans-1,2-Dichloroethene	NELAP	5.0		ND	µg/L	1	09/12/2016 16:11	122353
trans-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	09/12/2016 16:11	122353
trans-1,4-Dichloro-2-butene	NELAP	10.0		ND	µg/L	1	09/12/2016 16:11	122353
Trichloroethene	NELAP	5.0		ND	µg/L	1	09/12/2016 16:11	122353
Trichlorofluoromethane	NELAP	5.0		ND	µg/L	1	09/12/2016 16:11	122353
Vinyl acetate	NELAP	10.0		ND	µg/L	1	09/12/2016 16:11	122353

Laboratory Results

<http://www.teklabinc.com/>

Client: Civil & Environmental Consultants

Work Order: 16090421

Client Project: Huster Road Substation 120-678

Report Date: 13-Sep-16

Lab ID: 16090421-007

Client Sample ID: MW-10

Matrix: GROUNDWATER

Collection Date: 09/07/2016 10:13

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Vinyl chloride	NELAP	2.0		13.6	µg/L	1	09/12/2016 16:11	122353
Surr: 1,2-Dichloroethane-d4		74.7-129		104.3	%REC	1	09/12/2016 16:11	122353
Surr: 4-Bromofluorobenzene		86-119		102.7	%REC	1	09/12/2016 16:11	122353
Surr: Dibromofluoromethane		81.7-123		92.8	%REC	1	09/12/2016 16:11	122353
Surr: Toluene-d8		84.3-114		100.5	%REC	1	09/12/2016 16:11	122353

LCS and LCSD recovered outside upper QC limits for bromomethane and iodomethane. Sample results are below reporting limit. Data is reportable per 2009 TNI Standard (Volume1, Module 4, section 1.7.4.2).

Client: Civil & Environmental Consultants
Client Project: Huster Road Substation 120-678

Work Order: 16090421
Report Date: 13-Sep-16

Lab ID: 16090421-008

Client Sample ID: PZ-6

Matrix: GROUNDWATER

Collection Date: 09/07/2016 10:37

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1,1,1,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	09/12/2016 16:37	122353
1,1,1-Trichloroethane	NELAP	5.0		ND	µg/L	1	09/12/2016 16:37	122353
1,1,2,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	09/12/2016 16:37	122353
1,1,2-Trichloro-1,2,2-trifluoroethane		20.0		ND	µg/L	1	09/12/2016 16:37	122353
1,1,2-Trichloroethane	NELAP	5.0		ND	µg/L	1	09/12/2016 16:37	122353
1,1-Dichloro-2-propanone		50.0		ND	µg/L	1	09/12/2016 16:37	122353
1,1-Dichloroethane	NELAP	5.0		ND	µg/L	1	09/12/2016 16:37	122353
1,1-Dichloroethene	NELAP	5.0		ND	µg/L	1	09/12/2016 16:37	122353
1,1-Dichloropropene	NELAP	5.0		ND	µg/L	1	09/12/2016 16:37	122353
1,2,3-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 16:37	122353
1,2,3-Trichloropropane	NELAP	5.0		ND	µg/L	1	09/12/2016 16:37	122353
1,2,3-Trimethylbenzene		5.0		ND	µg/L	1	09/12/2016 16:37	122353
1,2,4-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 16:37	122353
1,2,4-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 16:37	122353
1,2-Dibromo-3-chloropropane	NELAP	5.0		ND	µg/L	1	09/12/2016 16:37	122353
1,2-Dibromoethane	NELAP	5.0		ND	µg/L	1	09/12/2016 16:37	122353
1,2-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 16:37	122353
1,2-Dichloroethane	NELAP	5.0		ND	µg/L	1	09/12/2016 16:37	122353
1,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	09/12/2016 16:37	122353
1,3,5-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 16:37	122353
1,3-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 16:37	122353
1,3-Dichloropropane	NELAP	5.0		ND	µg/L	1	09/12/2016 16:37	122353
1,4-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 16:37	122353
1-Chlorobutane	NELAP	5.0		ND	µg/L	1	09/12/2016 16:37	122353
2,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	09/12/2016 16:37	122353
2-Butanone	NELAP	25.0		ND	µg/L	1	09/12/2016 16:37	122353
2-Chloroethyl vinyl ether	NELAP	20.0		ND	µg/L	1	09/12/2016 16:37	122353
2-Chlorotoluene	NELAP	5.0		ND	µg/L	1	09/12/2016 16:37	122353
2-Hexanone	NELAP	25.0		ND	µg/L	1	09/12/2016 16:37	122353
2-Nitropropane	NELAP	50.0		ND	µg/L	1	09/12/2016 16:37	122353
4-Chlorotoluene	NELAP	5.0		ND	µg/L	1	09/12/2016 16:37	122353
4-Methyl-2-pentanone	NELAP	25.0		ND	µg/L	1	09/12/2016 16:37	122353
Acetone	NELAP	25.0		ND	µg/L	1	09/12/2016 16:37	122353
Acetonitrile	NELAP	50.0		ND	µg/L	1	09/12/2016 16:37	122353
Acrolein	NELAP	100		ND	µg/L	1	09/12/2016 16:37	122353
Acrylonitrile	NELAP	5.0		ND	µg/L	1	09/12/2016 16:37	122353
Allyl chloride	NELAP	5.0		ND	µg/L	1	09/12/2016 16:37	122353
Benzene	NELAP	2.0		ND	µg/L	1	09/12/2016 16:37	122353
Bromobenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 16:37	122353
Bromochloromethane	NELAP	5.0		ND	µg/L	1	09/12/2016 16:37	122353
Bromodichloromethane	NELAP	5.0		ND	µg/L	1	09/12/2016 16:37	122353
Bromoform	NELAP	5.0		ND	µg/L	1	09/12/2016 16:37	122353
Bromomethane	NELAP	10.0		ND	µg/L	1	09/12/2016 16:37	122353
Carbon disulfide	NELAP	5.0		ND	µg/L	1	09/12/2016 16:37	122353
Carbon tetrachloride	NELAP	5.0		ND	µg/L	1	09/12/2016 16:37	122353
Chlorobenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 16:37	122353
Chloroethane	NELAP	10.0		ND	µg/L	1	09/12/2016 16:37	122353

Laboratory Results

<http://www.teklabinc.com/>

Client: Civil & Environmental Consultants
Client Project: Huster Road Substation 120-678

Work Order: 16090421
Report Date: 13-Sep-16

Lab ID: 16090421-008

Client Sample ID: PZ-6

Matrix: GROUNDWATER

Collection Date: 09/07/2016 10:37

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Chloroform	NELAP	5.0		ND	µg/L	1	09/12/2016 16:37	122353
Chloromethane	NELAP	10.0		ND	µg/L	1	09/12/2016 16:37	122353
Chloroprene	NELAP	20.0		ND	µg/L	1	09/12/2016 16:37	122353
cis-1,2-Dichloroethene	NELAP	5.0		ND	µg/L	1	09/12/2016 16:37	122353
cis-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	09/12/2016 16:37	122353
cis-1,4-Dichloro-2-butene	NELAP	5.0		ND	µg/L	1	09/12/2016 16:37	122353
Cyclohexanone		50.0		ND	µg/L	1	09/12/2016 16:37	122353
Dibromochloromethane	NELAP	5.0		ND	µg/L	1	09/12/2016 16:37	122353
Dibromomethane	NELAP	5.0		ND	µg/L	1	09/12/2016 16:37	122353
Dichlorodifluoromethane	NELAP	10.0		ND	µg/L	1	09/12/2016 16:37	122353
Ethyl acetate	NELAP	10.0		ND	µg/L	1	09/12/2016 16:37	122353
Ethyl ether	NELAP	5.0		ND	µg/L	1	09/12/2016 16:37	122353
Ethyl methacrylate	NELAP	5.0		ND	µg/L	1	09/12/2016 16:37	122353
Ethylbenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 16:37	122353
Hexachlorobutadiene	NELAP	5.0		ND	µg/L	1	09/12/2016 16:37	122353
Hexachloroethane	NELAP	10.0		ND	µg/L	1	09/12/2016 16:37	122353
Iodomethane	NELAP	5.0		ND	µg/L	1	09/12/2016 16:37	122353
Isopropylbenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 16:37	122353
m,p-Xylenes	NELAP	5.0		ND	µg/L	1	09/12/2016 16:37	122353
Methacrylonitrile	NELAP	10.0		ND	µg/L	1	09/12/2016 16:37	122353
Methyl Methacrylate	NELAP	5.0		ND	µg/L	1	09/12/2016 16:37	122353
Methyl tert-butyl ether	NELAP	2.0		ND	µg/L	1	09/12/2016 16:37	122353
Methylacrylate	NELAP	10.0		ND	µg/L	1	09/12/2016 16:37	122353
Methylene chloride	NELAP	5.0		ND	µg/L	1	09/12/2016 16:37	122353
Naphthalene	NELAP	10.0		ND	µg/L	1	09/12/2016 16:37	122353
n-Butyl acetate		25.0		ND	µg/L	1	09/12/2016 16:37	122353
n-Butylbenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 16:37	122353
n-Heptane		20.0		ND	µg/L	1	09/12/2016 16:37	122353
n-Hexane		20.0		ND	µg/L	1	09/12/2016 16:37	122353
Nitrobenzene	NELAP	50.0		ND	µg/L	1	09/12/2016 16:37	122353
n-Propylbenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 16:37	122353
o-Xylene	NELAP	5.0		ND	µg/L	1	09/12/2016 16:37	122353
Pentachloroethane	NELAP	20.0		ND	µg/L	1	09/12/2016 16:37	122353
p-Isopropyltoluene	NELAP	5.0		ND	µg/L	1	09/12/2016 16:37	122353
Propionitrile	NELAP	50.0		ND	µg/L	1	09/12/2016 16:37	122353
sec-Butylbenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 16:37	122353
Styrene	NELAP	5.0		ND	µg/L	1	09/12/2016 16:37	122353
tert-Butylbenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 16:37	122353
Tetrachloroethene	NELAP	5.0		ND	µg/L	1	09/12/2016 16:37	122353
Tetrahydrofuran	NELAP	20.0		ND	µg/L	1	09/12/2016 16:37	122353
Toluene	NELAP	5.0		ND	µg/L	1	09/12/2016 16:37	122353
trans-1,2-Dichloroethene	NELAP	5.0		ND	µg/L	1	09/12/2016 16:37	122353
trans-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	09/12/2016 16:37	122353
trans-1,4-Dichloro-2-butene	NELAP	10.0		ND	µg/L	1	09/12/2016 16:37	122353
Trichloroethene	NELAP	5.0		ND	µg/L	1	09/12/2016 16:37	122353
Trichlorofluoromethane	NELAP	5.0		ND	µg/L	1	09/12/2016 16:37	122353
Vinyl acetate	NELAP	10.0		ND	µg/L	1	09/12/2016 16:37	122353

Client: Civil & Environmental Consultants
Client Project: Huster Road Substation 120-678

Work Order: 16090421
Report Date: 13-Sep-16

Lab ID: 16090421-008

Client Sample ID: PZ-6

Matrix: GROUNDWATER

Collection Date: 09/07/2016 10:37

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Vinyl chloride	NELAP	2.0		ND	µg/L	1	09/12/2016 16:37	122353
Surr: 1,2-Dichloroethane-d4		74.7-129		103.7	%REC	1	09/12/2016 16:37	122353
Surr: 4-Bromofluorobenzene		86-119		104.3	%REC	1	09/12/2016 16:37	122353
Surr: Dibromofluoromethane		81.7-123		93.7	%REC	1	09/12/2016 16:37	122353
Surr: Toluene-d8		84.3-114		101.5	%REC	1	09/12/2016 16:37	122353

LCS and LCSD recovered outside upper QC limits for bromomethane and iodomethane. Sample results are below reporting limit. Data is reportable per 2009 TNI Standard (Volume1, Module 4, section 1.7.4.2).

Client: Civil & Environmental Consultants
Client Project: Huster Road Substation 120-678

Work Order: 16090421
Report Date: 13-Sep-16

Lab ID: 16090421-009

Client Sample ID: PZ-10

Matrix: GROUNDWATER

Collection Date: 09/07/2016 10:53

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1,1,1,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	09/12/2016 17:04	122353
1,1,1-Trichloroethane	NELAP	5.0		ND	µg/L	1	09/12/2016 17:04	122353
1,1,2,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	09/12/2016 17:04	122353
1,1,2-Trichloro-1,2,2-trifluoroethane		20.0		ND	µg/L	1	09/12/2016 17:04	122353
1,1,2-Trichloroethane	NELAP	5.0		ND	µg/L	1	09/12/2016 17:04	122353
1,1-Dichloro-2-propanone		50.0		ND	µg/L	1	09/12/2016 17:04	122353
1,1-Dichloroethane	NELAP	5.0		ND	µg/L	1	09/12/2016 17:04	122353
1,1-Dichloroethene	NELAP	5.0		ND	µg/L	1	09/12/2016 17:04	122353
1,1-Dichloropropene	NELAP	5.0		ND	µg/L	1	09/12/2016 17:04	122353
1,2,3-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 17:04	122353
1,2,3-Trichloropropane	NELAP	5.0		ND	µg/L	1	09/12/2016 17:04	122353
1,2,3-Trimethylbenzene		5.0		ND	µg/L	1	09/12/2016 17:04	122353
1,2,4-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 17:04	122353
1,2,4-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 17:04	122353
1,2-Dibromo-3-chloropropane	NELAP	5.0		ND	µg/L	1	09/12/2016 17:04	122353
1,2-Dibromoethane	NELAP	5.0		ND	µg/L	1	09/12/2016 17:04	122353
1,2-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 17:04	122353
1,2-Dichloroethane	NELAP	5.0		ND	µg/L	1	09/12/2016 17:04	122353
1,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	09/12/2016 17:04	122353
1,3,5-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 17:04	122353
1,3-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 17:04	122353
1,3-Dichloropropane	NELAP	5.0		ND	µg/L	1	09/12/2016 17:04	122353
1,4-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 17:04	122353
1-Chlorobutane	NELAP	5.0		ND	µg/L	1	09/12/2016 17:04	122353
2,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	09/12/2016 17:04	122353
2-Butanone	NELAP	25.0		ND	µg/L	1	09/12/2016 17:04	122353
2-Chloroethyl vinyl ether	NELAP	20.0		ND	µg/L	1	09/12/2016 17:04	122353
2-Chlorotoluene	NELAP	5.0		ND	µg/L	1	09/12/2016 17:04	122353
2-Hexanone	NELAP	25.0		ND	µg/L	1	09/12/2016 17:04	122353
2-Nitropropane	NELAP	50.0		ND	µg/L	1	09/12/2016 17:04	122353
4-Chlorotoluene	NELAP	5.0		ND	µg/L	1	09/12/2016 17:04	122353
4-Methyl-2-pentanone	NELAP	25.0		ND	µg/L	1	09/12/2016 17:04	122353
Acetone	NELAP	25.0		ND	µg/L	1	09/12/2016 17:04	122353
Acetonitrile	NELAP	50.0		ND	µg/L	1	09/12/2016 17:04	122353
Acrolein	NELAP	100		ND	µg/L	1	09/12/2016 17:04	122353
Acrylonitrile	NELAP	5.0		ND	µg/L	1	09/12/2016 17:04	122353
Allyl chloride	NELAP	5.0		ND	µg/L	1	09/12/2016 17:04	122353
Benzene	NELAP	2.0		ND	µg/L	1	09/12/2016 17:04	122353
Bromobenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 17:04	122353
Bromochloromethane	NELAP	5.0		ND	µg/L	1	09/12/2016 17:04	122353
Bromodichloromethane	NELAP	5.0		ND	µg/L	1	09/12/2016 17:04	122353
Bromoform	NELAP	5.0		ND	µg/L	1	09/12/2016 17:04	122353
Bromomethane	NELAP	10.0		ND	µg/L	1	09/12/2016 17:04	122353
Carbon disulfide	NELAP	5.0		ND	µg/L	1	09/12/2016 17:04	122353
Carbon tetrachloride	NELAP	5.0		ND	µg/L	1	09/12/2016 17:04	122353
Chlorobenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 17:04	122353
Chloroethane	NELAP	10.0		ND	µg/L	1	09/12/2016 17:04	122353

Client: Civil & Environmental Consultants
Client Project: Huster Road Substation 120-678

Work Order: 16090421
Report Date: 13-Sep-16

Lab ID: 16090421-009

Client Sample ID: PZ-10

Matrix: GROUNDWATER

Collection Date: 09/07/2016 10:53

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Chloroform	NELAP	5.0		ND	µg/L	1	09/12/2016 17:04	122353
Chloromethane	NELAP	10.0		ND	µg/L	1	09/12/2016 17:04	122353
Chloroprene	NELAP	20.0		ND	µg/L	1	09/12/2016 17:04	122353
cis-1,2-Dichloroethene	NELAP	5.0		ND	µg/L	1	09/12/2016 17:04	122353
cis-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	09/12/2016 17:04	122353
cis-1,4-Dichloro-2-butene	NELAP	5.0		ND	µg/L	1	09/12/2016 17:04	122353
Cyclohexanone		50.0		ND	µg/L	1	09/12/2016 17:04	122353
Dibromochloromethane	NELAP	5.0		ND	µg/L	1	09/12/2016 17:04	122353
Dibromomethane	NELAP	5.0		ND	µg/L	1	09/12/2016 17:04	122353
Dichlorodifluoromethane	NELAP	10.0		ND	µg/L	1	09/12/2016 17:04	122353
Ethyl acetate	NELAP	10.0		ND	µg/L	1	09/12/2016 17:04	122353
Ethyl ether	NELAP	5.0		ND	µg/L	1	09/12/2016 17:04	122353
Ethyl methacrylate	NELAP	5.0		ND	µg/L	1	09/12/2016 17:04	122353
Ethylbenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 17:04	122353
Hexachlorobutadiene	NELAP	5.0		ND	µg/L	1	09/12/2016 17:04	122353
Hexachloroethane	NELAP	10.0		ND	µg/L	1	09/12/2016 17:04	122353
Iodomethane	NELAP	5.0		ND	µg/L	1	09/12/2016 17:04	122353
Isopropylbenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 17:04	122353
m,p-Xylenes	NELAP	5.0		ND	µg/L	1	09/12/2016 17:04	122353
Methacrylonitrile	NELAP	10.0		ND	µg/L	1	09/12/2016 17:04	122353
Methyl Methacrylate	NELAP	5.0		ND	µg/L	1	09/12/2016 17:04	122353
Methyl tert-butyl ether	NELAP	2.0		ND	µg/L	1	09/12/2016 17:04	122353
Methylacrylate	NELAP	10.0		ND	µg/L	1	09/12/2016 17:04	122353
Methylene chloride	NELAP	5.0		ND	µg/L	1	09/12/2016 17:04	122353
Naphthalene	NELAP	10.0		ND	µg/L	1	09/12/2016 17:04	122353
n-Butyl acetate		25.0		ND	µg/L	1	09/12/2016 17:04	122353
n-Butylbenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 17:04	122353
n-Heptane		20.0		ND	µg/L	1	09/12/2016 17:04	122353
n-Hexane		20.0		ND	µg/L	1	09/12/2016 17:04	122353
Nitrobenzene	NELAP	50.0		ND	µg/L	1	09/12/2016 17:04	122353
n-Propylbenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 17:04	122353
o-Xylene	NELAP	5.0		ND	µg/L	1	09/12/2016 17:04	122353
Pentachloroethane	NELAP	20.0		ND	µg/L	1	09/12/2016 17:04	122353
p-Isopropyltoluene	NELAP	5.0		ND	µg/L	1	09/12/2016 17:04	122353
Propionitrile	NELAP	50.0		ND	µg/L	1	09/12/2016 17:04	122353
sec-Butylbenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 17:04	122353
Styrene	NELAP	5.0		ND	µg/L	1	09/12/2016 17:04	122353
tert-Butylbenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 17:04	122353
Tetrachloroethene	NELAP	5.0		ND	µg/L	1	09/12/2016 17:04	122353
Tetrahydrofuran	NELAP	20.0		ND	µg/L	1	09/12/2016 17:04	122353
Toluene	NELAP	5.0		ND	µg/L	1	09/12/2016 17:04	122353
trans-1,2-Dichloroethene	NELAP	5.0		ND	µg/L	1	09/12/2016 17:04	122353
trans-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	09/12/2016 17:04	122353
trans-1,4-Dichloro-2-butene	NELAP	10.0		ND	µg/L	1	09/12/2016 17:04	122353
Trichloroethene	NELAP	5.0		ND	µg/L	1	09/12/2016 17:04	122353
Trichlorofluoromethane	NELAP	5.0		ND	µg/L	1	09/12/2016 17:04	122353
Vinyl acetate	NELAP	10.0		ND	µg/L	1	09/12/2016 17:04	122353

Laboratory Results

<http://www.teklabinc.com/>

Client: Civil & Environmental Consultants
Client Project: Huster Road Substation 120-678

Work Order: 16090421
Report Date: 13-Sep-16

Lab ID: 16090421-009

Client Sample ID: PZ-10

Matrix: GROUNDWATER

Collection Date: 09/07/2016 10:53

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Vinyl chloride	NELAP	2.0		ND	µg/L	1	09/12/2016 17:04	122353
Surr: 1,2-Dichloroethane-d4		74.7-129		106.4	%REC	1	09/12/2016 17:04	122353
Surr: 4-Bromofluorobenzene		86-119		102.0	%REC	1	09/12/2016 17:04	122353
Surr: Dibromofluoromethane		81.7-123		94.6	%REC	1	09/12/2016 17:04	122353
Surr: Toluene-d8		84.3-114		100.0	%REC	1	09/12/2016 17:04	122353

LCS and LCSD recovered outside upper QC limits for bromomethane and iodomethane. Sample results are below reporting limit. Data is reportable per 2009 TNI Standard (Volume1, Module 4, section 1.7.4.2).

Client: Civil & Environmental Consultants
Client Project: Huster Road Substation 120-678

Work Order: 16090421
Report Date: 13-Sep-16

Lab ID: 16090421-010

Client Sample ID: PZ-9

Matrix: GROUNDWATER

Collection Date: 09/07/2016 11:16

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1,1,1,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	09/12/2016 17:31	122353
1,1,1-Trichloroethane	NELAP	5.0		ND	µg/L	1	09/12/2016 17:31	122353
1,1,2,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	09/12/2016 17:31	122353
1,1,2-Trichloro-1,2,2-trifluoroethane		20.0		ND	µg/L	1	09/12/2016 17:31	122353
1,1,2-Trichloroethane	NELAP	5.0		ND	µg/L	1	09/12/2016 17:31	122353
1,1-Dichloro-2-propanone		50.0		ND	µg/L	1	09/12/2016 17:31	122353
1,1-Dichloroethane	NELAP	5.0		ND	µg/L	1	09/12/2016 17:31	122353
1,1-Dichloroethene	NELAP	5.0		ND	µg/L	1	09/12/2016 17:31	122353
1,1-Dichloropropene	NELAP	5.0		ND	µg/L	1	09/12/2016 17:31	122353
1,2,3-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 17:31	122353
1,2,3-Trichloropropane	NELAP	5.0		ND	µg/L	1	09/12/2016 17:31	122353
1,2,3-Trimethylbenzene		5.0		ND	µg/L	1	09/12/2016 17:31	122353
1,2,4-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 17:31	122353
1,2,4-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 17:31	122353
1,2-Dibromo-3-chloropropane	NELAP	5.0		ND	µg/L	1	09/12/2016 17:31	122353
1,2-Dibromoethane	NELAP	5.0		ND	µg/L	1	09/12/2016 17:31	122353
1,2-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 17:31	122353
1,2-Dichloroethane	NELAP	5.0		ND	µg/L	1	09/12/2016 17:31	122353
1,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	09/12/2016 17:31	122353
1,3,5-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 17:31	122353
1,3-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 17:31	122353
1,3-Dichloropropane	NELAP	5.0		ND	µg/L	1	09/12/2016 17:31	122353
1,4-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 17:31	122353
1-Chlorobutane	NELAP	5.0		ND	µg/L	1	09/12/2016 17:31	122353
2,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	09/12/2016 17:31	122353
2-Butanone	NELAP	25.0		ND	µg/L	1	09/12/2016 17:31	122353
2-Chloroethyl vinyl ether	NELAP	20.0		ND	µg/L	1	09/12/2016 17:31	122353
2-Chlorotoluene	NELAP	5.0		ND	µg/L	1	09/12/2016 17:31	122353
2-Hexanone	NELAP	25.0		ND	µg/L	1	09/12/2016 17:31	122353
2-Nitropropane	NELAP	50.0		ND	µg/L	1	09/12/2016 17:31	122353
4-Chlorotoluene	NELAP	5.0		ND	µg/L	1	09/12/2016 17:31	122353
4-Methyl-2-pentanone	NELAP	25.0		ND	µg/L	1	09/12/2016 17:31	122353
Acetone	NELAP	25.0		ND	µg/L	1	09/12/2016 17:31	122353
Acetonitrile	NELAP	50.0		ND	µg/L	1	09/12/2016 17:31	122353
Acrolein	NELAP	100		ND	µg/L	1	09/12/2016 17:31	122353
Acrylonitrile	NELAP	5.0		ND	µg/L	1	09/12/2016 17:31	122353
Allyl chloride	NELAP	5.0		ND	µg/L	1	09/12/2016 17:31	122353
Benzene	NELAP	2.0		ND	µg/L	1	09/12/2016 17:31	122353
Bromobenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 17:31	122353
Bromochloromethane	NELAP	5.0		ND	µg/L	1	09/12/2016 17:31	122353
Bromodichloromethane	NELAP	5.0		ND	µg/L	1	09/12/2016 17:31	122353
Bromoform	NELAP	5.0		ND	µg/L	1	09/12/2016 17:31	122353
Bromomethane	NELAP	10.0		ND	µg/L	1	09/12/2016 17:31	122353
Carbon disulfide	NELAP	5.0		ND	µg/L	1	09/12/2016 17:31	122353
Carbon tetrachloride	NELAP	5.0		ND	µg/L	1	09/12/2016 17:31	122353
Chlorobenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 17:31	122353
Chloroethane	NELAP	10.0		ND	µg/L	1	09/12/2016 17:31	122353

Laboratory Results

<http://www.teklabinc.com/>

Client: Civil & Environmental Consultants
Client Project: Huster Road Substation 120-678

Work Order: 16090421
Report Date: 13-Sep-16

Lab ID: 16090421-010

Client Sample ID: PZ-9

Matrix: GROUNDWATER

Collection Date: 09/07/2016 11:16

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Chloroform	NELAP	5.0		ND	µg/L	1	09/12/2016 17:31	122353
Chloromethane	NELAP	10.0		ND	µg/L	1	09/12/2016 17:31	122353
Chloroprene	NELAP	20.0		ND	µg/L	1	09/12/2016 17:31	122353
cis-1,2-Dichloroethene	NELAP	5.0		27.8	µg/L	1	09/12/2016 17:31	122353
cis-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	09/12/2016 17:31	122353
cis-1,4-Dichloro-2-butene	NELAP	5.0		ND	µg/L	1	09/12/2016 17:31	122353
Cyclohexanone		50.0		ND	µg/L	1	09/12/2016 17:31	122353
Dibromochloromethane	NELAP	5.0		ND	µg/L	1	09/12/2016 17:31	122353
Dibromomethane	NELAP	5.0		ND	µg/L	1	09/12/2016 17:31	122353
Dichlorodifluoromethane	NELAP	10.0		ND	µg/L	1	09/12/2016 17:31	122353
Ethyl acetate	NELAP	10.0		ND	µg/L	1	09/12/2016 17:31	122353
Ethyl ether	NELAP	5.0		ND	µg/L	1	09/12/2016 17:31	122353
Ethyl methacrylate	NELAP	5.0		ND	µg/L	1	09/12/2016 17:31	122353
Ethylbenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 17:31	122353
Hexachlorobutadiene	NELAP	5.0		ND	µg/L	1	09/12/2016 17:31	122353
Hexachloroethane	NELAP	10.0		ND	µg/L	1	09/12/2016 17:31	122353
Iodomethane	NELAP	5.0		ND	µg/L	1	09/12/2016 17:31	122353
Isopropylbenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 17:31	122353
m,p-Xylenes	NELAP	5.0		ND	µg/L	1	09/12/2016 17:31	122353
Methacrylonitrile	NELAP	10.0		ND	µg/L	1	09/12/2016 17:31	122353
Methyl Methacrylate	NELAP	5.0		ND	µg/L	1	09/12/2016 17:31	122353
Methyl tert-butyl ether	NELAP	2.0		ND	µg/L	1	09/12/2016 17:31	122353
Methylacrylate	NELAP	10.0		ND	µg/L	1	09/12/2016 17:31	122353
Methylene chloride	NELAP	5.0		ND	µg/L	1	09/12/2016 17:31	122353
Naphthalene	NELAP	10.0		ND	µg/L	1	09/12/2016 17:31	122353
n-Butyl acetate		25.0		ND	µg/L	1	09/12/2016 17:31	122353
n-Butylbenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 17:31	122353
n-Heptane		20.0		ND	µg/L	1	09/12/2016 17:31	122353
n-Hexane		20.0		ND	µg/L	1	09/12/2016 17:31	122353
Nitrobenzene	NELAP	50.0		ND	µg/L	1	09/12/2016 17:31	122353
n-Propylbenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 17:31	122353
o-Xylene	NELAP	5.0		ND	µg/L	1	09/12/2016 17:31	122353
Pentachloroethane	NELAP	20.0		ND	µg/L	1	09/12/2016 17:31	122353
p-Isopropyltoluene	NELAP	5.0		ND	µg/L	1	09/12/2016 17:31	122353
Propionitrile	NELAP	50.0		ND	µg/L	1	09/12/2016 17:31	122353
sec-Butylbenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 17:31	122353
Styrene	NELAP	5.0		ND	µg/L	1	09/12/2016 17:31	122353
tert-Butylbenzene	NELAP	5.0		ND	µg/L	1	09/12/2016 17:31	122353
Tetrachloroethene	NELAP	5.0		ND	µg/L	1	09/12/2016 17:31	122353
Tetrahydrofuran	NELAP	20.0		ND	µg/L	1	09/12/2016 17:31	122353
Toluene	NELAP	5.0		ND	µg/L	1	09/12/2016 17:31	122353
trans-1,2-Dichloroethene	NELAP	5.0		ND	µg/L	1	09/12/2016 17:31	122353
trans-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	09/12/2016 17:31	122353
trans-1,4-Dichloro-2-butene	NELAP	10.0		ND	µg/L	1	09/12/2016 17:31	122353
Trichloroethene	NELAP	5.0		ND	µg/L	1	09/12/2016 17:31	122353
Trichlorofluoromethane	NELAP	5.0		ND	µg/L	1	09/12/2016 17:31	122353
Vinyl acetate	NELAP	10.0		ND	µg/L	1	09/12/2016 17:31	122353

Laboratory Results

<http://www.teklabinc.com/>

Client: Civil & Environmental Consultants
Client Project: Huster Road Substation 120-678

Work Order: 16090421
Report Date: 13-Sep-16

Lab ID: 16090421-010

Client Sample ID: PZ-9

Matrix: GROUNDWATER

Collection Date: 09/07/2016 11:16

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Vinyl chloride	NELAP	2.0		ND	µg/L	1	09/12/2016 17:31	122353
Surr: 1,2-Dichloroethane-d4		74.7-129		102.2	%REC	1	09/12/2016 17:31	122353
Surr: 4-Bromofluorobenzene		86-119		101.8	%REC	1	09/12/2016 17:31	122353
Surr: Dibromofluoromethane		81.7-123		90.9	%REC	1	09/12/2016 17:31	122353
Surr: Toluene-d8		84.3-114		100.8	%REC	1	09/12/2016 17:31	122353

LCS and LCSD recovered outside upper QC limits for bromomethane and iodomethane. Sample results are below reporting limit. Data is reportable per 2009 TNI Standard (Volume1, Module 4, section 1.7.4.2).

Client: Civil & Environmental Consultants
Client Project: Huster Road Substation 120-678

Work Order: 16090421
Report Date: 13-Sep-16

Lab ID: 16090421-011

Client Sample ID: DUP

Matrix: GROUNDWATER

Collection Date: 09/07/2016 0:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1,1,1,2-Tetrachloroethane	NELAP	2500		ND	µg/L	500	09/12/2016 12:44	122353
1,1,1-Trichloroethane	NELAP	2500		ND	µg/L	500	09/12/2016 12:44	122353
1,1,2,2-Tetrachloroethane	NELAP	2500		ND	µg/L	500	09/12/2016 12:44	122353
1,1,2-Trichloro-1,2,2-trifluoroethane		10000		ND	µg/L	500	09/12/2016 12:44	122353
1,1,2-Trichloroethane	NELAP	2500		ND	µg/L	500	09/12/2016 12:44	122353
1,1-Dichloro-2-propanone		25000		ND	µg/L	500	09/12/2016 12:44	122353
1,1-Dichloroethane	NELAP	2500		ND	µg/L	500	09/12/2016 12:44	122353
1,1-Dichloroethene	NELAP	2500		ND	µg/L	500	09/12/2016 12:44	122353
1,1-Dichloropropene	NELAP	2500		ND	µg/L	500	09/12/2016 12:44	122353
1,2,3-Trichlorobenzene	NELAP	2500		ND	µg/L	500	09/12/2016 12:44	122353
1,2,3-Trichloropropane	NELAP	2500		ND	µg/L	500	09/12/2016 12:44	122353
1,2,3-Trimethylbenzene		2500		ND	µg/L	500	09/12/2016 12:44	122353
1,2,4-Trichlorobenzene	NELAP	2500		ND	µg/L	500	09/12/2016 12:44	122353
1,2,4-Trimethylbenzene	NELAP	2500		ND	µg/L	500	09/12/2016 12:44	122353
1,2-Dibromo-3-chloropropane	NELAP	2500		ND	µg/L	500	09/12/2016 12:44	122353
1,2-Dibromoethane	NELAP	2500		ND	µg/L	500	09/12/2016 12:44	122353
1,2-Dichlorobenzene	NELAP	2500		ND	µg/L	500	09/12/2016 12:44	122353
1,2-Dichloroethane	NELAP	2500		ND	µg/L	500	09/12/2016 12:44	122353
1,2-Dichloropropane	NELAP	2500		ND	µg/L	500	09/12/2016 12:44	122353
1,3,5-Trimethylbenzene	NELAP	2500		ND	µg/L	500	09/12/2016 12:44	122353
1,3-Dichlorobenzene	NELAP	2500		ND	µg/L	500	09/12/2016 12:44	122353
1,3-Dichloropropane	NELAP	2500		ND	µg/L	500	09/12/2016 12:44	122353
1,4-Dichlorobenzene	NELAP	2500		ND	µg/L	500	09/12/2016 12:44	122353
1-Chlorobutane	NELAP	2500		ND	µg/L	500	09/12/2016 12:44	122353
2,2-Dichloropropane	NELAP	2500		ND	µg/L	500	09/12/2016 12:44	122353
2-Butanone	NELAP	12500		ND	µg/L	500	09/12/2016 12:44	122353
2-Chloroethyl vinyl ether	NELAP	10000		ND	µg/L	500	09/12/2016 12:44	122353
2-Chlorotoluene	NELAP	2500		ND	µg/L	500	09/12/2016 12:44	122353
2-Hexanone	NELAP	12500		ND	µg/L	500	09/12/2016 12:44	122353
2-Nitropropane	NELAP	25000		ND	µg/L	500	09/12/2016 12:44	122353
4-Chlorotoluene	NELAP	2500		ND	µg/L	500	09/12/2016 12:44	122353
4-Methyl-2-pentanone	NELAP	12500		ND	µg/L	500	09/12/2016 12:44	122353
Acetone	NELAP	12500		ND	µg/L	500	09/12/2016 12:44	122353
Acetonitrile	NELAP	25000		ND	µg/L	500	09/12/2016 12:44	122353
Acrolein	NELAP	50000		ND	µg/L	500	09/12/2016 12:44	122353
Acrylonitrile	NELAP	2500		ND	µg/L	500	09/12/2016 12:44	122353
Allyl chloride	NELAP	2500		ND	µg/L	500	09/12/2016 12:44	122353
Benzene	NELAP	1000		ND	µg/L	500	09/12/2016 12:44	122353
Bromobenzene	NELAP	2500		ND	µg/L	500	09/12/2016 12:44	122353
Bromochloromethane	NELAP	2500		ND	µg/L	500	09/12/2016 12:44	122353
Bromodichloromethane	NELAP	2500		ND	µg/L	500	09/12/2016 12:44	122353
Bromoform	NELAP	2500		ND	µg/L	500	09/12/2016 12:44	122353
Bromomethane	NELAP	5000		ND	µg/L	500	09/12/2016 12:44	122353
Carbon disulfide	NELAP	2500		ND	µg/L	500	09/12/2016 12:44	122353
Carbon tetrachloride	NELAP	2500		ND	µg/L	500	09/12/2016 12:44	122353
Chlorobenzene	NELAP	2500		ND	µg/L	500	09/12/2016 12:44	122353
Chloroethane	NELAP	5000		ND	µg/L	500	09/12/2016 12:44	122353

Laboratory Results

<http://www.teklabinc.com/>

Client: Civil & Environmental Consultants
Client Project: Huster Road Substation 120-678

Work Order: 16090421
Report Date: 13-Sep-16

Lab ID: 16090421-011

Client Sample ID: DUP

Matrix: GROUNDWATER

Collection Date: 09/07/2016 0:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Chloroform	NELAP	2500		ND	µg/L	500	09/12/2016 12:44	122353
Chloromethane	NELAP	5000		ND	µg/L	500	09/12/2016 12:44	122353
Chloroprene	NELAP	10000		ND	µg/L	500	09/12/2016 12:44	122353
cis-1,2-Dichloroethene	NELAP	2500		37800	µg/L	500	09/12/2016 12:44	122353
cis-1,3-Dichloropropene	NELAP	2500		ND	µg/L	500	09/12/2016 12:44	122353
cis-1,4-Dichloro-2-butene	NELAP	2500		ND	µg/L	500	09/12/2016 12:44	122353
Cyclohexanone		25000		ND	µg/L	500	09/12/2016 12:44	122353
Dibromochloromethane	NELAP	2500		ND	µg/L	500	09/12/2016 12:44	122353
Dibromomethane	NELAP	2500		ND	µg/L	500	09/12/2016 12:44	122353
Dichlorodifluoromethane	NELAP	5000		ND	µg/L	500	09/12/2016 12:44	122353
Ethyl acetate	NELAP	5000		ND	µg/L	500	09/12/2016 12:44	122353
Ethyl ether	NELAP	2500		ND	µg/L	500	09/12/2016 12:44	122353
Ethyl methacrylate	NELAP	2500		ND	µg/L	500	09/12/2016 12:44	122353
Ethylbenzene	NELAP	2500		ND	µg/L	500	09/12/2016 12:44	122353
Hexachlorobutadiene	NELAP	2500		ND	µg/L	500	09/12/2016 12:44	122353
Hexachloroethane	NELAP	5000		ND	µg/L	500	09/12/2016 12:44	122353
Iodomethane	NELAP	2500		ND	µg/L	500	09/12/2016 12:44	122353
Isopropylbenzene	NELAP	2500		ND	µg/L	500	09/12/2016 12:44	122353
m,p-Xylenes	NELAP	2500		ND	µg/L	500	09/12/2016 12:44	122353
Methacrylonitrile	NELAP	5000		ND	µg/L	500	09/12/2016 12:44	122353
Methyl Methacrylate	NELAP	2500		ND	µg/L	500	09/12/2016 12:44	122353
Methyl tert-butyl ether	NELAP	1000		ND	µg/L	500	09/12/2016 12:44	122353
Methylacrylate	NELAP	5000		ND	µg/L	500	09/12/2016 12:44	122353
Methylene chloride	NELAP	2500		ND	µg/L	500	09/12/2016 12:44	122353
Naphthalene	NELAP	5000		ND	µg/L	500	09/12/2016 12:44	122353
n-Butyl acetate		12500		ND	µg/L	500	09/12/2016 12:44	122353
n-Butylbenzene	NELAP	2500		ND	µg/L	500	09/12/2016 12:44	122353
n-Heptane		10000		ND	µg/L	500	09/12/2016 12:44	122353
n-Hexane		10000		ND	µg/L	500	09/12/2016 12:44	122353
Nitrobenzene	NELAP	25000		ND	µg/L	500	09/12/2016 12:44	122353
n-Propylbenzene	NELAP	2500		ND	µg/L	500	09/12/2016 12:44	122353
o-Xylene	NELAP	2500		ND	µg/L	500	09/12/2016 12:44	122353
Pentachloroethane	NELAP	10000		ND	µg/L	500	09/12/2016 12:44	122353
p-Isopropyltoluene	NELAP	2500		ND	µg/L	500	09/12/2016 12:44	122353
Propionitrile	NELAP	25000		ND	µg/L	500	09/12/2016 12:44	122353
sec-Butylbenzene	NELAP	2500		ND	µg/L	500	09/12/2016 12:44	122353
Styrene	NELAP	2500		ND	µg/L	500	09/12/2016 12:44	122353
tert-Butylbenzene	NELAP	2500		ND	µg/L	500	09/12/2016 12:44	122353
Tetrachloroethene	NELAP	2500		ND	µg/L	500	09/12/2016 12:44	122353
Tetrahydrofuran	NELAP	10000		ND	µg/L	500	09/12/2016 12:44	122353
Toluene	NELAP	2500		ND	µg/L	500	09/12/2016 12:44	122353
trans-1,2-Dichloroethene	NELAP	2500		ND	µg/L	500	09/12/2016 12:44	122353
trans-1,3-Dichloropropene	NELAP	2500		ND	µg/L	500	09/12/2016 12:44	122353
trans-1,4-Dichloro-2-butene	NELAP	5000		ND	µg/L	500	09/12/2016 12:44	122353
Trichloroethene	NELAP	2500		ND	µg/L	500	09/12/2016 12:44	122353
Trichlorofluoromethane	NELAP	2500		ND	µg/L	500	09/12/2016 12:44	122353
Vinyl acetate	NELAP	5000		ND	µg/L	500	09/12/2016 12:44	122353

Laboratory Results

<http://www.teklabinc.com/>

Client: Civil & Environmental Consultants

Work Order: 16090421

Client Project: Huster Road Substation 120-678

Report Date: 13-Sep-16

Lab ID: 16090421-011

Client Sample ID: DUP

Matrix: GROUNDWATER

Collection Date: 09/07/2016 0:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Vinyl chloride	NELAP	1000		2040	µg/L	500	09/12/2016 12:44	122353
Surr: 1,2-Dichloroethane-d4		74.7-129		103.4	%REC	500	09/12/2016 12:44	122353
Surr: 4-Bromofluorobenzene		86-119		104.9	%REC	500	09/12/2016 12:44	122353
Surr: Dibromofluoromethane		81.7-123		94.1	%REC	500	09/12/2016 12:44	122353
Surr: Toluene-d8		84.3-114		99.5	%REC	500	09/12/2016 12:44	122353

LCS and LCSD recovered outside upper QC limits for bromomethane and iodomethane. Sample results are below reporting limit. Data is reportable per 2009 TNI Standard (Volume1, Module 4, section 1.7.4.2).

Elevated reporting limit due to high levels of target and/or non-target analytes.

Laboratory Results

<http://www.teklabinc.com/>

Client: Civil & Environmental Consultants
Client Project: Huster Road Substation 120-678

Work Order: 16090421
Report Date: 13-Sep-16

Lab ID: 16090421-012

Client Sample ID: DUP-2

Matrix: GROUNDWATER

Collection Date: 09/07/2016 0:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1,1,1,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	09/13/2016 10:40	122395
1,1,1-Trichloroethane	NELAP	5.0		ND	µg/L	1	09/13/2016 10:40	122395
1,1,2,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	09/13/2016 10:40	122395
1,1,2-Trichloro-1,2,2-trifluoroethane		20.0		ND	µg/L	1	09/13/2016 10:40	122395
1,1,2-Trichloroethane	NELAP	5.0		ND	µg/L	1	09/13/2016 10:40	122395
1,1-Dichloro-2-propanone		50.0		ND	µg/L	1	09/13/2016 10:40	122395
1,1-Dichloroethane	NELAP	5.0		ND	µg/L	1	09/13/2016 10:40	122395
1,1-Dichloroethene	NELAP	5.0		ND	µg/L	1	09/13/2016 10:40	122395
1,1-Dichloropropene	NELAP	5.0		ND	µg/L	1	09/13/2016 10:40	122395
1,2,3-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	09/13/2016 10:40	122395
1,2,3-Trichloropropane	NELAP	5.0		ND	µg/L	1	09/13/2016 10:40	122395
1,2,3-Trimethylbenzene		5.0		ND	µg/L	1	09/13/2016 10:40	122395
1,2,4-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	09/13/2016 10:40	122395
1,2,4-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	09/13/2016 10:40	122395
1,2-Dibromo-3-chloropropane	NELAP	5.0		ND	µg/L	1	09/13/2016 10:40	122395
1,2-Dibromoethane	NELAP	5.0		ND	µg/L	1	09/13/2016 10:40	122395
1,2-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	09/13/2016 10:40	122395
1,2-Dichloroethane	NELAP	5.0		ND	µg/L	1	09/13/2016 10:40	122395
1,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	09/13/2016 10:40	122395
1,3,5-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	09/13/2016 10:40	122395
1,3-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	09/13/2016 10:40	122395
1,3-Dichloropropane	NELAP	5.0		ND	µg/L	1	09/13/2016 10:40	122395
1,4-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	09/13/2016 10:40	122395
1-Chlorobutane	NELAP	5.0		ND	µg/L	1	09/13/2016 10:40	122395
2,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	09/13/2016 10:40	122395
2-Butanone	NELAP	25.0		ND	µg/L	1	09/13/2016 10:40	122395
2-Chloroethyl vinyl ether	NELAP	20.0		ND	µg/L	1	09/13/2016 10:40	122395
2-Chlorotoluene	NELAP	5.0		ND	µg/L	1	09/13/2016 10:40	122395
2-Hexanone	NELAP	25.0		ND	µg/L	1	09/13/2016 10:40	122395
2-Nitropropane	NELAP	50.0		ND	µg/L	1	09/13/2016 10:40	122395
4-Chlorotoluene	NELAP	5.0		ND	µg/L	1	09/13/2016 10:40	122395
4-Methyl-2-pentanone	NELAP	25.0		ND	µg/L	1	09/13/2016 10:40	122395
Acetone	NELAP	25.0		ND	µg/L	1	09/13/2016 10:40	122395
Acetonitrile	NELAP	50.0		ND	µg/L	1	09/13/2016 10:40	122395
Acrolein	NELAP	100		ND	µg/L	1	09/13/2016 10:40	122395
Acrylonitrile	NELAP	5.0		ND	µg/L	1	09/13/2016 10:40	122395
Allyl chloride	NELAP	5.0		ND	µg/L	1	09/13/2016 10:40	122395
Benzene	NELAP	2.0		ND	µg/L	1	09/13/2016 10:40	122395
Bromobenzene	NELAP	5.0		ND	µg/L	1	09/13/2016 10:40	122395
Bromochloromethane	NELAP	5.0		ND	µg/L	1	09/13/2016 10:40	122395
Bromodichloromethane	NELAP	5.0		ND	µg/L	1	09/13/2016 10:40	122395
Bromoform	NELAP	5.0		ND	µg/L	1	09/13/2016 10:40	122395
Bromomethane	NELAP	10.0		ND	µg/L	1	09/13/2016 10:40	122395
Carbon disulfide	NELAP	5.0		ND	µg/L	1	09/13/2016 10:40	122395
Carbon tetrachloride	NELAP	5.0		ND	µg/L	1	09/13/2016 10:40	122395
Chlorobenzene	NELAP	5.0		ND	µg/L	1	09/13/2016 10:40	122395
Chloroethane	NELAP	10.0		ND	µg/L	1	09/13/2016 10:40	122395

Laboratory Results

<http://www.teklabinc.com/>

Client: Civil & Environmental Consultants
Client Project: Huster Road Substation 120-678

Work Order: 16090421
Report Date: 13-Sep-16

Lab ID: 16090421-012

Client Sample ID: DUP-2

Matrix: GROUNDWATER

Collection Date: 09/07/2016 0:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Chloroform	NELAP	5.0		ND	µg/L	1	09/13/2016 10:40	122395
Chloromethane	NELAP	10.0		ND	µg/L	1	09/13/2016 10:40	122395
Chloroprene	NELAP	20.0		ND	µg/L	1	09/13/2016 10:40	122395
cis-1,2-Dichloroethene	NELAP	5.0		ND	µg/L	1	09/13/2016 10:40	122395
cis-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	09/13/2016 10:40	122395
cis-1,4-Dichloro-2-butene	NELAP	5.0		ND	µg/L	1	09/13/2016 10:40	122395
Cyclohexanone		50.0		ND	µg/L	1	09/13/2016 10:40	122395
Dibromochloromethane	NELAP	5.0		ND	µg/L	1	09/13/2016 10:40	122395
Dibromomethane	NELAP	5.0		ND	µg/L	1	09/13/2016 10:40	122395
Dichlorodifluoromethane	NELAP	10.0		ND	µg/L	1	09/13/2016 10:40	122395
Ethyl acetate	NELAP	10.0		ND	µg/L	1	09/13/2016 10:40	122395
Ethyl ether	NELAP	5.0		ND	µg/L	1	09/13/2016 10:40	122395
Ethyl methacrylate	NELAP	5.0		ND	µg/L	1	09/13/2016 10:40	122395
Ethylbenzene	NELAP	5.0		ND	µg/L	1	09/13/2016 10:40	122395
Hexachlorobutadiene	NELAP	5.0		ND	µg/L	1	09/13/2016 10:40	122395
Hexachloroethane	NELAP	10.0		ND	µg/L	1	09/13/2016 10:40	122395
Iodomethane	NELAP	5.0		ND	µg/L	1	09/13/2016 10:40	122395
Isopropylbenzene	NELAP	5.0		ND	µg/L	1	09/13/2016 10:40	122395
m,p-Xylenes	NELAP	5.0		ND	µg/L	1	09/13/2016 10:40	122395
Methacrylonitrile	NELAP	10.0		ND	µg/L	1	09/13/2016 10:40	122395
Methyl Methacrylate	NELAP	5.0		ND	µg/L	1	09/13/2016 10:40	122395
Methyl tert-butyl ether	NELAP	2.0		ND	µg/L	1	09/13/2016 10:40	122395
Methylacrylate	NELAP	10.0		ND	µg/L	1	09/13/2016 10:40	122395
Methylene chloride	NELAP	5.0		ND	µg/L	1	09/13/2016 10:40	122395
Naphthalene	NELAP	10.0		ND	µg/L	1	09/13/2016 10:40	122395
n-Butyl acetate		25.0		ND	µg/L	1	09/13/2016 10:40	122395
n-Butylbenzene	NELAP	5.0		ND	µg/L	1	09/13/2016 10:40	122395
n-Heptane		20.0		ND	µg/L	1	09/13/2016 10:40	122395
n-Hexane		20.0		ND	µg/L	1	09/13/2016 10:40	122395
Nitrobenzene	NELAP	50.0		ND	µg/L	1	09/13/2016 10:40	122395
n-Propylbenzene	NELAP	5.0		ND	µg/L	1	09/13/2016 10:40	122395
o-Xylene	NELAP	5.0		ND	µg/L	1	09/13/2016 10:40	122395
Pentachloroethane	NELAP	20.0		ND	µg/L	1	09/13/2016 10:40	122395
p-Isopropyltoluene	NELAP	5.0		ND	µg/L	1	09/13/2016 10:40	122395
Propionitrile	NELAP	50.0		ND	µg/L	1	09/13/2016 10:40	122395
sec-Butylbenzene	NELAP	5.0		ND	µg/L	1	09/13/2016 10:40	122395
Styrene	NELAP	5.0		ND	µg/L	1	09/13/2016 10:40	122395
tert-Butylbenzene	NELAP	5.0		ND	µg/L	1	09/13/2016 10:40	122395
Tetrachloroethene	NELAP	5.0		ND	µg/L	1	09/13/2016 10:40	122395
Tetrahydrofuran	NELAP	20.0		ND	µg/L	1	09/13/2016 10:40	122395
Toluene	NELAP	5.0		ND	µg/L	1	09/13/2016 10:40	122395
trans-1,2-Dichloroethene	NELAP	5.0		ND	µg/L	1	09/13/2016 10:40	122395
trans-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	09/13/2016 10:40	122395
trans-1,4-Dichloro-2-butene	NELAP	10.0		ND	µg/L	1	09/13/2016 10:40	122395
Trichloroethene	NELAP	5.0		ND	µg/L	1	09/13/2016 10:40	122395
Trichlorofluoromethane	NELAP	5.0		ND	µg/L	1	09/13/2016 10:40	122395
Vinyl acetate	NELAP	10.0		ND	µg/L	1	09/13/2016 10:40	122395

Client: Civil & Environmental Consultants

Work Order: 16090421

Client Project: Huster Road Substation 120-678

Report Date: 13-Sep-16

Lab ID: 16090421-012

Client Sample ID: DUP-2

Matrix: GROUNDWATER

Collection Date: 09/07/2016 0:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Vinyl chloride	NELAP	2.0		ND	µg/L	1	09/13/2016 10:40	122395
Surr: 1,2-Dichloroethane-d4		74.7-129		105.0	%REC	1	09/13/2016 10:40	122395
Surr: 4-Bromofluorobenzene		86-119		101.5	%REC	1	09/13/2016 10:40	122395
Surr: Dibromofluoromethane		81.7-123		94.3	%REC	1	09/13/2016 10:40	122395
Surr: Toluene-d8		84.3-114		97.6	%REC	1	09/13/2016 10:40	122395

LCS recovered outside upper QC limits for Ethyl Acetate and trans-1,2-Dichloroethene. Sample results are below reporting limit. Data is reportable per 2009 TNI Standard (Volume1, Module 4, section 1.7.4.2).

LCS and LCSD recovered outside upper QC limits for Bromomethane. Sample results are below reporting limit. Data is reportable per 2009 TNI Standard (Volume1, Module 4, section 1.7.4.2).

Sample Summary

<http://www.teklabinc.com/>

Client: Civil & Environmental Consultants

Work Order: 16090421

Client Project: Huster Road Substation 120-678

Report Date: 13-Sep-16

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
16090421-001	MW-9	Groundwater	1	09/07/2016 8:19
16090421-002	MW-14	Groundwater	1	09/07/2016 8:34
16090421-003	MW-13	Groundwater	1	09/07/2016 8:56
16090421-004	MW-8	Groundwater	1	09/07/2016 9:13
16090421-005	MW-11	Groundwater	1	09/07/2016 9:34
16090421-006	MW-12	Groundwater	1	09/07/2016 9:53
16090421-007	MW-10	Groundwater	1	09/07/2016 10:13
16090421-008	PZ-6	Groundwater	1	09/07/2016 10:37
16090421-009	PZ-10	Groundwater	1	09/07/2016 10:53
16090421-010	PZ-9	Groundwater	1	09/07/2016 11:16
16090421-011	DUP	Groundwater	1	09/07/2016 0:00
16090421-012	DUP-2	Groundwater	1	09/07/2016 0:00

Client: Civil & Environmental Consultants

Work Order: 16090421

Client Project: Huster Road Substation 120-678

Report Date: 13-Sep-16

Sample ID	Client Sample ID	Collection Date	Received Date	
			Prep Date/Time	Analysis Date/Time
16090421-001A	MW-9	09/07/2016 8:19	09/07/2016 15:20	
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			09/12/2016 13:36
16090421-002A	MW-14	09/07/2016 8:34	09/07/2016 15:20	
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			09/12/2016 14:02
16090421-003A	MW-13	09/07/2016 8:56	09/07/2016 15:20	
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			09/12/2016 14:28
16090421-004A	MW-8	09/07/2016 9:13	09/07/2016 15:20	
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			09/12/2016 14:54
16090421-005A	MW-11	09/07/2016 9:34	09/07/2016 15:20	
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			09/12/2016 15:20
16090421-006A	MW-12	09/07/2016 9:53	09/07/2016 15:20	
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			09/12/2016 15:45
16090421-007A	MW-10	09/07/2016 10:13	09/07/2016 15:20	
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			09/12/2016 16:11
16090421-008A	PZ-6	09/07/2016 10:37	09/07/2016 15:20	
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			09/12/2016 16:37
16090421-009A	PZ-10	09/07/2016 10:53	09/07/2016 15:20	
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			09/12/2016 17:04
16090421-010A	PZ-9	09/07/2016 11:16	09/07/2016 15:20	
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			09/12/2016 17:31
16090421-011A	DUP	09/07/2016 0:00	09/07/2016 15:20	
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			09/12/2016 12:44
16090421-012A	DUP-2	09/07/2016 0:00	09/07/2016 15:20	
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			09/13/2016 10:40

Client: Civil & Environmental Consultants

Work Order: 16090421

Client Project: Huster Road Substation 120-678

Report Date: 13-Sep-16

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch	122353	SampType	MBLK	Units	µg/L						Date Analyzed
SampID:			MBLK-T160912A-1								
Analyses		RL	Qual		Result	Spike	SPK	Ref Val	%REC	Low Limit	High Limit
1,1,1,2-Tetrachloroethane		5.0			ND						09/12/2016
1,1,1-Trichloroethane		5.0			ND						09/12/2016
1,1,2,2-Tetrachloroethane		5.0			ND						09/12/2016
1,1,2-Trichloro-1,2,2-trifluoroethane		20.0			ND						09/12/2016
1,1,2-Trichloroethane		5.0			ND						09/12/2016
1,1-Dichloro-2-propanone		50.0			ND						09/12/2016
1,1-Dichloroethane		5.0			ND						09/12/2016
1,1-Dichloroethene		5.0			ND						09/12/2016
1,1-Dichloropropene		5.0			ND						09/12/2016
1,2,3-Trichlorobenzene		5.0			ND						09/12/2016
1,2,3-Trichloropropane		5.0			ND						09/12/2016
1,2,3-Trimethylbenzene		5.0			ND						09/12/2016
1,2,4-Trichlorobenzene		5.0			ND						09/12/2016
1,2,4-Trimethylbenzene		5.0			ND						09/12/2016
1,2-Dibromo-3-chloropropane		5.0			ND						09/12/2016
1,2-Dibromoethane		5.0			ND						09/12/2016
1,2-Dichlorobenzene		5.0			ND						09/12/2016
1,2-Dichloroethane		5.0			ND						09/12/2016
1,2-Dichloropropane		5.0			ND						09/12/2016
1,3,5-Trimethylbenzene		5.0			ND						09/12/2016
1,3-Dichlorobenzene		5.0			ND						09/12/2016
1,3-Dichloropropane		5.0			ND						09/12/2016
1,4-Dichlorobenzene		5.0			ND						09/12/2016
1-Chlorobutane		5.0			ND						09/12/2016
2,2-Dichloropropane		5.0			ND						09/12/2016
2-Butanone		25.0			ND						09/12/2016
2-Chloroethyl vinyl ether		20.0			ND						09/12/2016
2-Chlorotoluene		5.0			ND						09/12/2016
2-Hexanone		25.0			ND						09/12/2016
2-Nitropropane		50.0			ND						09/12/2016
4-Chlorotoluene		5.0			ND						09/12/2016
4-Methyl-2-pentanone		25.0			ND						09/12/2016
Acetone		25.0			ND						09/12/2016
Acetonitrile		50.0			ND						09/12/2016
Acrolein		100			ND						09/12/2016
Acrylonitrile		5.0			ND						09/12/2016
Allyl chloride		5.0			ND						09/12/2016
Benzene		2.0			ND						09/12/2016
Bromobenzene		5.0			ND						09/12/2016
Bromochloromethane		5.0			ND						09/12/2016
Bromodichloromethane		5.0			ND						09/12/2016
Bromoform		5.0			ND						09/12/2016
Bromomethane		10.0			ND						09/12/2016
Carbon disulfide		5.0			ND						09/12/2016
Carbon tetrachloride		5.0			ND						09/12/2016
Chlorobenzene		5.0			ND						09/12/2016
Chloroethane		10.0			ND						09/12/2016

Client: Civil & Environmental Consultants
Client Project: Huster Road Substation 120-678

Work Order: 16090421
Report Date: 13-Sep-16

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch	122353	SampType	MBLK	Units	µg/L						Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK	Ref Val	%REC	Low Limit	High Limit	
Chloroform		5.0		ND							09/12/2016
Chloromethane		10.0		ND							09/12/2016
Chloroprene		20.0		ND							09/12/2016
cis-1,2-Dichloroethene		5.0		ND							09/12/2016
cis-1,3-Dichloropropene		5.0		ND							09/12/2016
cis-1,4-Dichloro-2-butene		5.0		ND							09/12/2016
Cyclohexanone		50.0		ND							09/12/2016
Dibromochloromethane		5.0		ND							09/12/2016
Dibromomethane		5.0		ND							09/12/2016
Dichlorodifluoromethane		10.0		ND							09/12/2016
Ethyl acetate		10.0		ND							09/12/2016
Ethyl ether		5.0		ND							09/12/2016
Ethyl methacrylate		5.0		ND							09/12/2016
Ethylbenzene		5.0		ND							09/12/2016
Hexachlorobutadiene		5.0		ND							09/12/2016
Hexachloroethane		10.0		ND							09/12/2016
Iodomethane		5.0		ND							09/12/2016
Isopropylbenzene		5.0		ND							09/12/2016
m,p-Xylenes		5.0		ND							09/12/2016
Methacrylonitrile		10.0		ND							09/12/2016
Methyl Methacrylate		5.0		ND							09/12/2016
Methyl tert-butyl ether		2.0		ND							09/12/2016
Methylacrylate		10.0		ND							09/12/2016
Methylene chloride		5.0		ND							09/12/2016
Naphthalene		10.0		ND							09/12/2016
n-Butyl acetate		25.0		ND							09/12/2016
n-Butylbenzene		5.0		ND							09/12/2016
n-Heptane		20.0		ND							09/12/2016
n-Hexane		20.0		ND							09/12/2016
Nitrobenzene		50.0		ND							09/12/2016
n-Propylbenzene		5.0		ND							09/12/2016
o-Xylene		5.0		ND							09/12/2016
Pentachloroethane		20.0		ND							09/12/2016
p-Isopropyltoluene		5.0		ND							09/12/2016
Propionitrile		50.0		ND							09/12/2016
sec-Butylbenzene		5.0		ND							09/12/2016
Styrene		5.0		ND							09/12/2016
tert-Butylbenzene		5.0		ND							09/12/2016
Tetrachloroethene		5.0		ND							09/12/2016
Tetrahydrofuran		20.0		ND							09/12/2016
Toluene		5.0		ND							09/12/2016
trans-1,2-Dichloroethene		5.0		ND							09/12/2016
trans-1,3-Dichloropropene		5.0		ND							09/12/2016
trans-1,4-Dichloro-2-butene		10.0		ND							09/12/2016
Trichloroethene		5.0		ND							09/12/2016
Trichlorofluoromethane		5.0		ND							09/12/2016
Vinyl acetate		10.0		ND							09/12/2016

Client: Civil & Environmental Consultants

Work Order: 16090421

Client Project: Huster Road Substation 120-678

Report Date: 13-Sep-16

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 122353 **SampType:** MBLK **Units** µg/L

SampID: MBLK-T160912A-1

Analyses	RL	Qual	Result	Spike	SPK	Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Vinyl chloride	2.0		ND							09/12/2016
Surr: 1,2-Dichloroethane-d4			52.0	50.00		104.0		74.7	129	09/12/2016
Surr: 4-Bromofluorobenzene			51.6	50.00		103.2		86	119	09/12/2016
Surr: Dibromofluoromethane			46.9	50.00		93.8		81.7	123	09/12/2016
Surr: Toluene-d8			50.3	50.00		100.5		84.3	114	09/12/2016

Client: Civil & Environmental Consultants

Work Order: 16090421

Client Project: Huster Road Substation 120-678

Report Date: 13-Sep-16

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch	122353	SampType	LCSD	Units	µg/L	RPD Limit 40						
Analyses		RL	Qual	Result	Spike	SPK	Ref Val	%REC	RPD	Ref Val	%RPD	Date Analyzed
Vinyl chloride		2.0		56.6	50.00	0	113.3		56.65	0.02		09/12/2016
Surr: 1,2-Dichloroethane-d4				50.9	50.00		101.8					09/12/2016
Surr: 4-Bromofluorobenzene				50.7	50.00		101.5					09/12/2016
Surr: Dibromofluoromethane				47.3	50.00		94.5					09/12/2016
Surr: Toluene-d8				48.7	50.00		97.4					09/12/2016

Client: Civil & Environmental Consultants

Work Order: 16090421

Client Project: Huster Road Substation 120-678

Report Date: 13-Sep-16

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch	122353	SampType	LCS	Units	µg/L						Date Analyzed
SampID:	LCS-T160912A-1										
Analyses		RL	Qual		Result	Spike	SPK	Ref Val	%REC	Low Limit	High Limit
Chloroform		5.0			47.8	50.00	0	95.5		82.7	116
Chloromethane		10.0			45.8	50.00	0	91.5		48.2	144
Chloroprene		20.0			48.4	50.00	0	96.8		80.6	126
cis-1,2-Dichloroethene		5.0			51.0	50.00	0	102.0		78.2	116
cis-1,3-Dichloropropene		5.0			49.5	50.00	0	99.1		83	119
cis-1,4-Dichloro-2-butene		5.0			49.5	50.00	0	99.0		60.7	137
Cyclohexanone		50.0			287	500.0	0	57.4		54.2	145
Dibromochloromethane		5.0			48.1	50.00	0	96.2		81.2	121
Dibromomethane		5.0			46.8	50.00	0	93.6		78.3	118
Dichlorodifluoromethane		10.0			35.8	50.00	0	71.6		20.6	154
Ethyl acetate		10.0			45.4	50.00	0	90.9		73.1	116
Ethyl ether		5.0			45.3	50.00	0	90.7		75.2	109
Ethyl methacrylate		5.0			48.4	50.00	0	96.9		80.1	113
Ethylbenzene		5.0			49.7	50.00	0	99.5		77.2	113
Hexachlorobutadiene		5.0			57.5	50.00	0	114.9		77.3	123
Hexachloroethane		10.0			51.8	50.00	0	103.6		74.6	117
Iodomethane		5.0	S		86.8	50.00	0	173.6		61.3	140
Isopropylbenzene		5.0			49.8	50.00	0	99.6		81.3	114
m,p-Xylenes		5.0			101	100.0	0	101.5		79.6	113
Methacrylonitrile		10.0			45.1	50.00	0	90.1		77.2	125
Methyl Methacrylate		5.0			46.2	50.00	0	92.3		74.2	121
Methyl tert-butyl ether		2.0			43.4	50.00	0	86.8		76.8	117
Methylacrylate		10.0			44.7	50.00	0	89.4		78	124
Methylene chloride		5.0			46.3	50.00	0	92.7		74.1	114
Naphthalene		10.0			45.5	50.00	0	91.0		77.9	122
n-Butyl acetate		25.0			47.0	50.00	0	94.0		74	120
n-Butylbenzene		5.0			51.0	50.00	0	101.9		71.1	120
n-Heptane		20.0			51.2	50.00	0	102.3		67.4	129
n-Hexane		20.0			48.0	50.00	0	96.1		68.4	126
Nitrobenzene		50.0			346	500.0	0	69.3		37.9	181
n-Propylbenzene		5.0			51.6	50.00	0	103.3		74.6	118
o-Xylene		5.0			48.0	50.00	0	96.1		80.1	111
Pentachloroethane		20.0			49.4	50.00	0	98.9		78.8	117
p-Isopropyltoluene		5.0			51.0	50.00	0	101.9		77.6	118
Propionitrile		50.0			397	500.0	0	79.4		72.9	137
sec-Butylbenzene		5.0			50.5	50.00	0	101.0		74.5	119
Styrene		5.0			46.6	50.00	0	93.2		83.4	113
tert-Butylbenzene		5.0			52.1	50.00	0	104.2		75.9	114
Tetrachloroethene		5.0			46.3	50.00	0	92.7		72.5	125
Tetrahydrofuran		20.0			39.5	50.00	0	79.0		69.6	125
Toluene		5.0			48.8	50.00	0	97.6		77.5	113
trans-1,2-Dichloroethene		5.0			51.0	50.00	0	102.0		79	114
trans-1,3-Dichloropropene		5.0			50.0	50.00	0	100.1		78	115
trans-1,4-Dichloro-2-butene		10.0			49.9	50.00	0	99.8		63.3	128
Trichloroethene		5.0			48.0	50.00	0	96.1		84.4	114
Trichlorofluoromethane		5.0			47.1	50.00	0	94.2		75.2	132
Vinyl acetate		10.0			49.4	50.00	0	98.9		64.5	127

Client: Civil & Environmental Consultants

Work Order: 16090421

Client Project: Huster Road Substation 120-678

Report Date: 13-Sep-16

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch	122353	SampType	LCS	Units	µg/L						Date Analyzed
SampID:	LCS-T160912A-1										
Analyses		RL	Qual		Result	Spike	SPK	Ref Val	%REC	Low Limit	High Limit
Vinyl chloride		2.0			56.6	50.00	0	113.3		58	134
Surr: 1,2-Dichloroethane-d4					49.3	50.00		98.7		74.7	129
Surr: 4-Bromofluorobenzene					51.3	50.00		102.6		86	119
Surr: Dibromofluoromethane					47.0	50.00		94.0		81.7	123
Surr: Toluene-d8					49.4	50.00		98.9		84.1	114

Client: Civil & Environmental Consultants
Client Project: Huster Road Substation 120-678

Work Order: 16090421
Report Date: 13-Sep-16

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch	122395	SampType	MBLK	Units	µg/L	Analyses	RL	Qual	Result	Spike	SPK	Ref Val	%REC	Low Limit	High Limit	Date Analyzed
						SampID:	MBLK-T160913A-1									
1,1,1,2-Tetrachloroethane				5.0					ND							09/13/2016
1,1,1-Trichloroethane				5.0					ND							09/13/2016
1,1,2,2-Tetrachloroethane				5.0					ND							09/13/2016
1,1,2-Trichloro-1,2,2-trifluoroethane				20.0					ND							09/13/2016
1,1,2-Trichloroethane				5.0					ND							09/13/2016
1,1-Dichloro-2-propanone				50.0					ND							09/13/2016
1,1-Dichloroethane				5.0					ND							09/13/2016
1,1-Dichloroethene				5.0					ND							09/13/2016
1,1-Dichloropropene				5.0					ND							09/13/2016
1,2,3-Trichlorobenzene				5.0					ND							09/13/2016
1,2,3-Trichloropropane				5.0					ND							09/13/2016
1,2,3-Trimethylbenzene				5.0					ND							09/13/2016
1,2,4-Trichlorobenzene				5.0					ND							09/13/2016
1,2,4-Trimethylbenzene				5.0					ND							09/13/2016
1,2-Dibromo-3-chloropropane				5.0					ND							09/13/2016
1,2-Dibromoethane				5.0					ND							09/13/2016
1,2-Dichlorobenzene				5.0					ND							09/13/2016
1,2-Dichloroethane				5.0					ND							09/13/2016
1,2-Dichloropropane				5.0					ND							09/13/2016
1,3,5-Trimethylbenzene				5.0					ND							09/13/2016
1,3-Dichlorobenzene				5.0					ND							09/13/2016
1,3-Dichloropropane				5.0					ND							09/13/2016
1,4-Dichlorobenzene				5.0					ND							09/13/2016
1-Chlorobutane				5.0					ND							09/13/2016
2,2-Dichloropropane				5.0					ND							09/13/2016
2-Butanone				25.0					ND							09/13/2016
2-Chloroethyl vinyl ether				20.0					ND							09/13/2016
2-Chlorotoluene				5.0					ND							09/13/2016
2-Hexanone				25.0					ND							09/13/2016
2-Nitropropane				50.0					ND							09/13/2016
4-Chlorotoluene				5.0					ND							09/13/2016
4-Methyl-2-pentanone				25.0					ND							09/13/2016
Acetone				25.0					ND							09/13/2016
Acetonitrile				50.0					ND							09/13/2016
Acrolein				100					ND							09/13/2016
Acrylonitrile				5.0					ND							09/13/2016
Allyl chloride				5.0					ND							09/13/2016
Benzene				2.0					ND							09/13/2016
Bromobenzene				5.0					ND							09/13/2016
Bromochloromethane				5.0					ND							09/13/2016
Bromodichloromethane				5.0					ND							09/13/2016
Bromoform				5.0					ND							09/13/2016
Bromomethane				10.0					ND							09/13/2016
Carbon disulfide				5.0					ND							09/13/2016
Carbon tetrachloride				5.0					ND							09/13/2016
Chlorobenzene				5.0					ND							09/13/2016
Chloroethane				10.0					ND							09/13/2016

Client: Civil & Environmental Consultants
Client Project: Huster Road Substation 120-678

Work Order: 16090421
Report Date: 13-Sep-16

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch	122395	SampType	MBLK	Units	µg/L						Date Analyzed
SampID:			MBLK-T160913A-1								
Analyses		RL	Qual		Result	Spike	SPK	Ref Val	%REC	Low Limit	High Limit
Chloroform		5.0			ND						09/13/2016
Chloromethane		10.0			ND						09/13/2016
Chloroprene		20.0			ND						09/13/2016
cis-1,2-Dichloroethene		5.0			ND						09/13/2016
cis-1,3-Dichloropropene		5.0			ND						09/13/2016
cis-1,4-Dichloro-2-butene		5.0			ND						09/13/2016
Cyclohexanone		50.0			ND						09/13/2016
Dibromochloromethane		5.0			ND						09/13/2016
Dibromomethane		5.0			ND						09/13/2016
Dichlorodifluoromethane		10.0			ND						09/13/2016
Ethyl acetate		10.0			ND						09/13/2016
Ethyl ether		5.0			ND						09/13/2016
Ethyl methacrylate		5.0			ND						09/13/2016
Ethylbenzene		5.0			ND						09/13/2016
Hexachlorobutadiene		5.0			ND						09/13/2016
Hexachloroethane		10.0			ND						09/13/2016
Iodomethane		5.0			ND						09/13/2016
Isopropylbenzene		5.0			ND						09/13/2016
m,p-Xylenes		5.0			ND						09/13/2016
Methacrylonitrile		10.0			ND						09/13/2016
Methyl Methacrylate		5.0			ND						09/13/2016
Methyl tert-butyl ether		2.0			ND						09/13/2016
Methylacrylate		10.0			ND						09/13/2016
Methylene chloride		5.0			ND						09/13/2016
Naphthalene		10.0			ND						09/13/2016
n-Butyl acetate		25.0			ND						09/13/2016
n-Butylbenzene		5.0			ND						09/13/2016
n-Heptane		20.0			ND						09/13/2016
n-Hexane		20.0			ND						09/13/2016
Nitrobenzene		50.0			ND						09/13/2016
n-Propylbenzene		5.0			ND						09/13/2016
o-Xylene		5.0			ND						09/13/2016
Pentachloroethane		20.0			ND						09/13/2016
p-Isopropyltoluene		5.0			ND						09/13/2016
Propionitrile		50.0			ND						09/13/2016
sec-Butylbenzene		5.0			ND						09/13/2016
Styrene		5.0			ND						09/13/2016
tert-Butylbenzene		5.0			ND						09/13/2016
Tetrachloroethene		5.0			ND						09/13/2016
Tetrahydrofuran		20.0			ND						09/13/2016
Toluene		5.0			ND						09/13/2016
trans-1,2-Dichloroethene		5.0			ND						09/13/2016
trans-1,3-Dichloropropene		5.0			ND						09/13/2016
trans-1,4-Dichloro-2-butene		10.0			ND						09/13/2016
Trichloroethene		5.0			ND						09/13/2016
Trichlorofluoromethane		5.0			ND						09/13/2016
Vinyl acetate		10.0			ND						09/13/2016

Client: Civil & Environmental Consultants

Work Order: 16090421

Client Project: Huster Road Substation 120-678

Report Date: 13-Sep-16

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch	122395	SampType	MBLK	Units	µg/L						Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK	Ref Val	%REC	Low Limit	High Limit	
Vinyl chloride		2.0		ND							09/13/2016
Surr: 1,2-Dichloroethane-d4				51.2	50.00		102.5		74.7	129	09/13/2016
Surr: 4-Bromofluorobenzene				51.4	50.00		102.7		86	119	09/13/2016
Surr: Dibromofluoromethane				47.0	50.00		94.1		81.7	123	09/13/2016
Surr: Toluene-d8				50.4	50.00		100.8		84.3	114	09/13/2016



Quality Control Results

<http://www.teklabinc.com/>

Client: Civil & Environmental Consultants

Work Order: 16090421

Client Project: Huster Road Substation 120-678

Report Date: 13-Sep-16

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch	122395	SampType	LCSD	Units	µg/L	RPD Limit 40						
								RPD	Ref	Val	%RPD	Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK	Ref	Val	%REC			
Vinyl chloride		2.0		56.9	50.00	0	113.7		65.20		13.67	09/13/2016
Surr: 1,2-Dichloroethane-d4				51.1	50.00		102.3					09/13/2016
Surr: 4-Bromofluorobenzene				53.2	50.00		106.4					09/13/2016
Surr: Dibromofluoromethane				47.9	50.00		95.8					09/13/2016
Surr: Toluene-d8				50.0	50.00		100.0					09/13/2016

Client: Civil & Environmental Consultants

Work Order: 16090421

Client Project: Huster Road Substation 120-678

Report Date: 13-Sep-16

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch	122395	SampType	LCS	Units	µg/L						Date Analyzed
SampID:	LCS-T160913A-1										
Analyses		RL	Qual		Result	Spike	SPK	Ref Val	%REC	Low Limit	High Limit
Vinyl chloride		2.0			65.2	50.00	0	130.4		58	134
Surr: 1,2-Dichloroethane-d4					50.6	50.00		101.3		74.7	129
Surr: 4-Bromofluorobenzene					51.2	50.00		102.4		86	119
Surr: Dibromofluoromethane					48.0	50.00		96.0		81.7	123
Surr: Toluene-d8					49.3	50.00		98.7		84.1	114

Receiving Check List

<http://www.teklabinc.com/>

Client: Civil & Environmental Consultants

Work Order: 16090421

Client Project: Huster Road Substation 120-678

Report Date: 13-Sep-16

Carrier: Monte Peake

Received By: AMD

Completed by:

On:

07-Sep-16

Kalyn Foecke

Kalyn Foecke

Reviewed by:

On:

08-Sep-16

Elizabeth A. Hurley

Elizabeth A. Hurley

Pages to follow: Chain of custody 2

Extra pages included 0

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>	Temp °C 13.62
Type of thermal preservation?	None <input type="checkbox"/>	Ice <input type="checkbox"/>	Blue Ice <input checked="" type="checkbox"/>	Dry Ice <input type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Chain of custody agrees with sample labels?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>		
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Reported field parameters measured:	Field <input type="checkbox"/>	Lab <input type="checkbox"/>	NA <input checked="" type="checkbox"/>	
Container/Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
<i>When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.</i>				
Water – at least one vial per sample has zero headspace?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	No VOA vials <input type="checkbox"/>	
Water - TOX containers have zero headspace?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	No TOX containers <input checked="" type="checkbox"/>	
Water - pH acceptable upon receipt?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	NA <input type="checkbox"/>	
NPDES/CWA TCN interferences checked/treated in the field?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>	

Any No responses must be detailed below or on the COC.

MW-6, MW-10, and MW-9 are labeled as PZ-6, PZ-10, and PZ-9, respectively. Monte Peake was notified of this error via e-mail. TAC/KF 9/7/16

Per Monte Peake, vials are labeled correctly. Change Chain-of-Custody ID's to PZ-6, PZ-9, and PZ-10. (MAustin - 9/9/2016 7:47:24 AM)

CHAIN OF CUSTODY

pg. 1 of 2 Work order # 16090421

TEKLAB, INC. 5445 Horseshoe Lake Road - Collinsville, IL 62234 - Phone: (618) 344-1004 - Fax: (618) 344-1005

Client: Civil & Environmental Consultants
Address: 4848 Park 370 Blvd.
City / State / Zip Hazelwood, MO 63042
Contact: Monte Peake **Phone:** (314) 656-4566
E-Mail: mpeake@cecinc.com **Fax:** _____

Samples on: ICE BLUE ICE NO ICE 13.102 °C
 Preserved in: LAB FIELD FOR LAB USE ONLY

Lab Notes ~~Headspace~~ 9/7/16

Has P2 instead of MW/mw was marked out 9/7/16

Client Comments:

Are these samples known to be involved in litigation? If yes, a surcharge will apply Yes No

Are these samples known to be hazardous? Yes No

Are there any required reporting limits to be met on the requested analysis?. If yes, please provide limits in the comment section. Yes No

Project Name/Number		Sample Collector's Name		MATRIX		INDICATE ANALYSIS REQUESTED											
Huster Road Substation		<u>120-678</u>															
<input checked="" type="checkbox"/> Standard <input type="checkbox"/> 1-2 Day (100% Surcharge) <input type="checkbox"/> Other <input type="checkbox"/> 3 Day (50% Surcharge)		Billing Instructions		# and Type of Containers													
		<u>AMEREN</u>															
Lab Use Only	Sample Identification	Date/Time Sampled	UNPRES	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	OTHER	Drinking Water	Soil	Aqueous	VOC 8260			
16090421- 001	MW-9	9/7/16 @ 0819									X	X					
002	MW-14	10834									X	X					
003	MW-13	0856									X	X					
004	MW-8	0913									X	X					
005	MW-11	0934									X	X					
006	MW-12	0953									X	X					
007	MW-10	1013									X	X					
008 *	MW-6	1037									X	X					
009 *	MW-10	1053									X	X					
010 *	MW-9	1116									X	X					

Relinquished By	Date/Time	Received By	Date/Time
<u>Monte Peake</u>	9/7/16 @ 1520	<u>OMC/01301110</u>	9/7/16 1520

The individual signing this agreement on behalf of the client, acknowledges that he/she has read and understands the terms and conditions of this agreement, and that he/she has the authority to sign on behalf of the client.

BottleOrder: 26200



JAC
11/16

CHAIN OF CUSTODY

pg. 2 of 2 Work order # 16090421

TEKLAB, INC. 5445 Horseshoe Lake Road - Collinsville, IL 62234 - Phone: (618) 344-1004 - Fax: (618) 344-1005

Client: Civil & Environmental Consultants Address: 4848 Park 370 Blvd. City / State / Zip Hazelwood, MO 63042 Contact: Monte Peake Phone: (314) 656-4566 E-Mail: mpeake@cecinc.com Fax: _____				Samples on: <input type="checkbox"/> ICE <input type="checkbox"/> BLUE ICE <input type="checkbox"/> NO ICE <u> °C</u> Preserved in: <input type="checkbox"/> LAB <input type="checkbox"/> FIELD FOR LAB USE ONLY Lab Notes Client Comments:	
Are these samples known to be involved in litigation? If yes, a surcharge will apply <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Are these samples known to be hazardous? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Are there any required reporting limits to be met on the requested analysis?. If yes, please provide limits in the comment section. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
Project Name/Number	Sample Collector's Name			MATRIX	INDICATE ANALYSIS REQUESTED
Huster Road 120-678	M. PEAKE / B. DALTON			VOC 8260 Groundwater Special Waste Sludge Soil Drinking Water Aqueous	
Results Requested		Billing Instructions		# and Type of Containers	
<input checked="" type="checkbox"/> Standard	<input type="checkbox"/> 1-2 Day (100% Surcharge)	AMEREN		UNPRES HNO3 NaOH H2SO4 HCl MeOH NaHSO4 OTHER	
Lab Use Only	Sample Identification	Date/Time Sampled			
16090421-011	DUP	9/7/16 @ —		X	X
012	DUP-2	↓ —	2	X	X
Relinquished By		Date/Time		Received By	
<i>Monte Peake</i>		9/7/16 @ 1520		<i>Brian O'Dell</i>	
				9/7/16 1520	

The individual signing this agreement on behalf of the client, acknowledges that he/she has read and understands the terms and conditions of this agreement, and that he/she has the authority to sign on behalf of the client.

BottleOrder: 28445



